



**SAUTER BACnet PICS
modulo 6 modu6**-AS**

**BACnet Protocol Implementation
Conformance Statement**

D100410424 - 03

Content

Note:

This statement corresponds to the ANSI/ASHRAE 135-2016 release. Changes are taking place constantly, without prior notification.

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BACnet Building Controller (B-BC)

1 BACnet Building Controller (B-BC)

1.1. SAUTER modulo 6 Building Controllers

Date	April 2020
Vendor Name	Fr. Sauter AG (Vendor ID: 80)
Product Name	modulo 6 Building Controller
Product Model Number	All SAUTER modulo 6 BACnet Building Controllers <ul style="list-style-type: none"> • modu680-AS (EY6AS80F021)
Applications Software Version	3.1 (CASE Engine Interface, Function Index)
Firmware Revision	V1.1.1 (BACnet Firmware)
BACnet Protocol Revision	Version 1, Revision 16

BACnet Conformance Certificate (BCC):

BACnet Profile: B-BC
Date: 25th June 2020
MBSLab: VG2019_1001234_02
Firmware: V1.1.1b1012
Model: EY6AS80F021

1.1.1. Product Description

The SAUTER modulo 6 family of BACnet Building Controllers are programmable automation stations for common room automation control applications (e.g. room control, light, blinds, fan...). The software component on the controller is a BACnet Server and includes as well BACnet Client functionality for peer-to-peer communication with other BACnet devices. It has integrated BBMD and FD functionality.

1.1.2. BACnet Standardized Device Profile (Annex L)

- BACnet Operator Workstation (B-OWS)
- BACnet Advanced Operator Workstation (B-AWS)
- BACnet Operator Display (B-OD)
- BACnet Building Controller (B-BC)
- BACnet Advanced Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

1.1.3. BACnet Interoperability Building Blocks (Annex K)

Supports following BIBBs:

BACnet Building Controller (B-BC)

Data Sharing	Alarm & Event Management	Scheduling	Trending	Device & Network Management
DS-RP-A, -B	AE-ACK-B	SCHED-I-B	T-VMT-I-B	DM-DDB-A, -B
DS-RPM-A, -B	AE-N-A	SCHED-E-B	T-VMT-E-B	DM-DOB-B
DS-WP-A, -B	AE-N-I-B		T-ATR-B	DM-DCC-B
DS-WPM-B	AE-N-E-B			DM-RD-B
DS-COV-A, -B	AE-INFO-B			DM-TS-A, -B
DS-COVP-B	AE-ESUM-B			DM-UTC-A, -B
DS-COVU-A, -B	AE-ASUM-B			DM-BR-B
	AE-EL-I-B			DM-ATS-A
	AE-EL-E-B			DM-LM-B
	AE-CRL-B			DM-OCD-B
				DM-R-A, -B

1.1.4. Segmentation Capability

- Able to transmit segmented messages Window Size: 16
- Able to receive segmented messages Window Size: 16

1.1.5. Object Types

Standard and proprietary object types are supported and may be present in the device.

Legend: = yes, supported = no, not supported -, n/a = not applicable

Objects may be created and deleted dynamically:

OC = Dynamic object creation OD = Dynamic object deletion

Objects may support optional functionality:

OOS = Out-Of-Service writeable COV = Change of value

Objects may be diversified with optional functionalities by the object data structure

definition (CASE Suite - Project Engineering):

CMD = Object commandable IR/AR = Intrinsic / Algorithmic change

reporting

Notice: Present-Value and Reliability properties are writable when Out-Of-Service = True.

BACnet Building Controller (B-BC)

Standard and proprietary objects may support optional functionality (Overview):

Object Type	(Enum)	Supported	OC	OD	CMD	OOS	COV	IR/AR
Analog Input	(0)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Analog Output	(1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Analog Value	(2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Binary Input	(3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Binary Output	(4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Binary Value	(5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calendar	(6)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-
Command	(7)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	-
Device	(8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-
Event Log	(25)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	<input checked="" type="checkbox"/>
Event Enrollment	(9)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	<input checked="" type="checkbox"/>
File	(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-
Lighting Output	(54)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-
Loop	(12)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi-State Input	(13)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi-State Output	(14)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi-State Value	(19)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Notification Class	(15)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-
Positive Int. Value	(48)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Program	(16)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-
Pulse Converter	(24)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Schedule	(17)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	-
Structured View	(29)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-
Trend Log	(20)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	<input checked="" type="checkbox"/>
IO Unit	(384)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-

BACnet Building Controller (B-BC)

Some standard objects may have proprietary properties in addition (Clause 23). There are no specific property range restrictions except those within the system SAUTER modulo 6 and the range restrictions of the BACnet Standard. Supported standard and proprietary objects may support following optional and proprietary properties and in addition to the standard conformance code some writable properties:

Legend:

- | | |
|--|------------------------------------|
| <input checked="" type="checkbox"/> = yes, supported | R = Required Readable |
| <input type="checkbox"/> = no, not supported | W = Required Readable and Writable |
| n/a = not applicable | O = (Conditionally) Optional |
| CC = Conformance Code | P = Proprietary |
| () = comments in parenthesis | |

1.1.5.1. Device Management

Device (DEV = 8)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
System-Status	R	<input checked="" type="checkbox"/>		
Vendor-Name	R	<input checked="" type="checkbox"/>		
Vendor-Identifier	R	<input checked="" type="checkbox"/>		
Model-Name	R	<input checked="" type="checkbox"/>		
Firmware-Revision	R	<input checked="" type="checkbox"/>		
Application-Software-Version	R	<input checked="" type="checkbox"/>		
Location	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Protocol-Version	R	<input checked="" type="checkbox"/>		
Protocol-Revision	R	<input checked="" type="checkbox"/>		
Protocol-Services-Supported	R	<input checked="" type="checkbox"/>		
Protocol-Object-Types-Supported	R	<input checked="" type="checkbox"/>		
Object-List	R	<input checked="" type="checkbox"/>		
Structured-Object-List	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Max-APDU-Length-Accepted	R	<input checked="" type="checkbox"/>		
Segmentation-Supported	R	<input checked="" type="checkbox"/>		
Max-Segments-Accepted	O	<input checked="" type="checkbox"/>		
Local-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(time sync service)
Local-Date	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(time sync service)
UTC-Offset	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-780..780 (configurable)
Daylight-Savings-Status	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(automatic DST)
APDU-Segment-Timeout	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
APDU-Timeout	R	<input checked="" type="checkbox"/>		
Number-Of-APDU-Retries	R	<input checked="" type="checkbox"/>		
Time-Synchronization-Recipients	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 32 recipients)
Device-Address-Binding	R	<input checked="" type="checkbox"/>		(up to 100 devices)
Database-Revision	R	<input checked="" type="checkbox"/>		
Configuration-Files	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Last-Restore-Time	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

BACnet Building Controller (B-BC)

Standard Property	CC	R	W	Range Restriction
Backup-Failure-Timeout	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Backup-Preparation-Time	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Restore-Preparation-Time	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Restore-Completion-Time	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Backup-And-Restore-State	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Active-COV-Subscriptions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Last-Restart-Reason	O	<input checked="" type="checkbox"/>		
Time-Of-Device-Restart	O	<input checked="" type="checkbox"/>		
Restart-Notification-Recipients	O	<input checked="" type="checkbox"/>		(up to 32 recipients)
UTC-Time-Synchronization-Recipients	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 32 recipients)
Time-Synchronization-Interval	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Align-Intervals	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Interval-Offset	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Serial-Number	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
MAC-Address	8207	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hardware-Revision	8208	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Log-Object-List	8252	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Firmware-Index	8255	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Serial-Number	8277	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Production-Date	8278	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Status-Flag-Sum	8300	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Number-Of-Active-Transition	8301	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Number-Of-Open-Transition	8302	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MSP-Version	8313	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sauter-Character-Set	8351	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0: UTF8; 5: ISO-8859-1
Sauter-DST-Start-Date	8352	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sauter-DST-End-Date	8353	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sauter-DST-Start-Offset	8354	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sauter-DST-End-Offset	8355	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sauter-Disable-Event-Message-Text	8358	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Sauter-Battery-OK-Indication	8380	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sauter-Latitude	8348	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Sauter-Longitude	8347	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Sauter-Software-Product	8357	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

BACnet Building Controller (B-BC)

File (FL = 10)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
File-Type	R	<input checked="" type="checkbox"/>		
File-Size	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0 (delete)
Modification-Date	R	<input checked="" type="checkbox"/>		
Archive	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Read-Only	R	<input checked="" type="checkbox"/>		
File-Access-Method	R	<input checked="" type="checkbox"/>		
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

BACnet Building Controller (B-BC)

Program (PRG = 16)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Program-State	R	<input checked="" type="checkbox"/>		
Program-Change	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reason-For-Halt	O	<input checked="" type="checkbox"/>		
Description-Of-Halt	O	<input checked="" type="checkbox"/>		
Program-Location	O	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Instance-Of	O	<input checked="" type="checkbox"/>		
Status-Flags	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>		
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Download-User	8322	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Download-Comment	8323	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sauter-DDC-Inputs	8257	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sauter-DDC-Outputs	8258	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sauter-DDC-Params	8259	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sauter-DDC-Memories	8260	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

BACnet Building Controller (B-BC)

Structured View (SV = 29)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(up to 128 characters)
Node-Type	R	<input checked="" type="checkbox"/>		
Node-Subtype	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Subordinate-List	R	<input checked="" type="checkbox"/>		
Subordinate-Annotations	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

BACnet Building Controller (B-BC)

1.1.5.2. Input, Output, Value

Analog Input (AI = 0)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-Value	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Device-Type	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Update-Interval	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Units	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Min-Pres-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Max-Pres-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Resolution	O	<input checked="" type="checkbox"/>		
COV-Increment	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
High-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Low-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deadband	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Limit-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fault-High-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fault-Low-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Offset	8250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	REAL
Slope	8251	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	REAL
COV-Synchronization-Period	8314	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

BACnet Building Controller (B-BC)

Analog Output (AO = 1)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-Value	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Device-Type	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Units	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Min-Pres-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Max-Pres-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Resolution	O	<input checked="" type="checkbox"/>		
Priority-Array	R	<input checked="" type="checkbox"/>		
Relinquish-Default	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
COV-Increment	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
High-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Low-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deadband	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Limit-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Min-Hardware-Value	8248	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	REAL
Max-Hardware-Value	8249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	REAL
Priority-Array-Reset	8309	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
COV-Synchronization-Period	8314	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Hardware-Output-Value	8334	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

BACnet Building Controller (B-BC)

Analog Value (AV = 2)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-Value	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(CMD enabled)
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Units	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Priority-Array	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Relinquish-Default	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
COV-Increment	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
High-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Low-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deadband	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Limit-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Min-Pres-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Max-Pres-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Resolution	O	<input type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fault-High-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fault-Low-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Priority-Array-Reset	8309	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(CMD enabled)
COV-Synchronization-Period	8314	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Min-Range-Value	8332	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Max-Range-Value	8333	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

BACnet Building Controller (B-BC)

Binary Input (BI = 3)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-value	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Device-Type	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Polarity	R	<input checked="" type="checkbox"/>		
Inactive-Text	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 32 characters)
Active-Text	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 32 characters)
Change-Of-State-Time	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Change-Of-State-Count	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0 (reset)
Time-Of-State-Count-Reset	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Elapsed-Active-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0 (reset)
Time-Of-Active-Time-Reset	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Alarm-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)

BACnet Building Controller (B-BC)

Binary Output (BO = 4)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-Value	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Device-Type	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Polarity	R	<input checked="" type="checkbox"/>		
Inactive-Text	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 32 characters)
Active-Text	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 32 characters)
Change-Of-State-Time	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Change-Of-State-Count	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0 (reset)
Time-Of-State-Count-Reset	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Elapsed-Active-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0 (reset)
Time-Of-Active-Time-Reset	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Minimum-Off-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Minimum-On-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Priority-Array	R	<input checked="" type="checkbox"/>		
Relinquish-Default	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Feedback-Value	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Priority-Array-Reset	8309	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hardware-Output-Value	8334	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

BACnet Building Controller (B-BC)

Binary Value (BV = 5)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-Value	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(CMD enabled)
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Inactive-Text	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 32 characters)
Active-Text	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 32 characters)
Change-Of-State-Time	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Change-Of-State-Count	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0 (reset)
Time-Of-State-Count-Reset	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Elapsed-Active-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0 (reset)
Time-Of-Active-Time-Reset	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Minimum-Off-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Minimum-On-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Priority-Array	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Relinquish-Default	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Alarm-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Priority-Array-Reset	8309	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(CMD enabled)

BACnet Building Controller (B-BC)

Multi-State Input (MI = 13)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-Value	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Device-Type	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Number-Of-States	R	<input checked="" type="checkbox"/>		
State-Text	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Alarm-Values	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fault-Values	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)

BACnet Building Controller (B-BC)

Multi-State Output (MO = 14)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-value	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.. up to 12
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Device-Type	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Number-Of-States	R	<input checked="" type="checkbox"/>		
State-Text	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Priority-Array	R	<input checked="" type="checkbox"/>		
Relinquish-Default	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Feedback-Value	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Priority-Array-Reset	8309	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hardware-Output-Value	8334	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

BACnet Building Controller (B-BC)

Multi-State Value (MV = 19)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-Value	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.. up to 12 (CMD enbl.)
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Number-Of-States	R	<input checked="" type="checkbox"/>		
State-Text	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Priority-Array	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Relinquish-Default	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Alarm-Values	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fault-Values	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Priority-Array-Reset	8309	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(CMD enabled)

BACnet Building Controller (B-BC)

Positive Integer Value (PIV = 48)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Present-Value	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(CMD enabled)
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Units	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Priority-Array	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Relinquish-Default	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
COV-Increment	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
High-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Low-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deadband	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Limit-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Min-Pres-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Max-Pres-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fault-High-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fault-Low-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Priority-Array-Reset	8309	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(CMD enabled)
COV-Synchronization-Period	8314	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

BACnet Building Controller (B-BC)

Lighting Output (LO = 54)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-Value	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Tracking-Value	R	<input checked="" type="checkbox"/>		
Lighting-Command	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
In-Progress	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Status-Flags	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Blink-Warn-Enable	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Egress-Time	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Egress-Active	R	<input checked="" type="checkbox"/>		
Default-Fade-Time	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Default-Ramp-Rate	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Default-Step-Increment	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Transition	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Priority-Array	R	<input checked="" type="checkbox"/>		
Relinquish-Default	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Min-Actual-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Max-Actual-Value	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Lighting-Command-Default-Priority	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
COV-Increment	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Priority-Array-Reset	8309	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
COV-Synchronization-Period	8314	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Sauter-Default-On-Value	8337			
Sauter-On-Delay	8338			
Sauter-Fading-Mode	8385			
Sauter-Lamp-Curve	8386			
Sauter-Output-Is-Active	8387			
Sauter-Manual-Priority	8341			

BACnet Building Controller (B-BC)

1.1.5.3. Scheduling

Calendar (CAL = 6)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Present-Value	R	<input checked="" type="checkbox"/>		
Date-List	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Schedule (SCHD = 17)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-Value	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Effective-Period	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Weekly-Schedule	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Exception-Schedule	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Schedule-Default	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
List-Of-Object-Property-References	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Priority-For-Writing	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Status-Flags	R	<input checked="" type="checkbox"/>		
Reliability	R	<input checked="" type="checkbox"/>		
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

BACnet Building Controller (B-BC)

1.1.5.4. Alarm and Event Management

Event Enrollment (EE = 9)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Event-Type	R	<input checked="" type="checkbox"/>		Floating_Limit (4) Out-of-range (5), Unsigned-range (11), Signed-out-of-range (15), Unsigned-out-of-range (16), Change-of-status-flags (18)
Notify-Type	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Parameters	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(see event-type)
Object-Property-Reference	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-State	R	<input checked="" type="checkbox"/>		
Event-Enable	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	R	<input checked="" type="checkbox"/>		
Notification-Class	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	R	<input checked="" type="checkbox"/>		
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Status-flags	R	<input checked="" type="checkbox"/>		
Reliability	R	<input checked="" type="checkbox"/>		
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)

BACnet Building Controller (B-BC)

Notification Class (NC = 15)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Notification-Class	R	<input checked="" type="checkbox"/>		
Priority	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Ack-Required	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Recipient-List	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Status-Flag-Sum	8300	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Number-Of-Active-Transition	8301	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Number-Of-Open-Transition	8302	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

BACnet Building Controller (B-BC)

1.1.5.5. Trending and Logging

Trend Log (TL = 20)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Enable	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Start-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Stop-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Log-DeviceObjectProperty	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Log-Interval	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
COV-Resubscription-Interval	O	<input type="checkbox"/>	<input type="checkbox"/>	
Client-COV-Increment	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(NULL)
Stop-When-Full	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Buffer-Size	R	<input checked="" type="checkbox"/>		(Create only)
Log-Buffer	R	<input checked="" type="checkbox"/>		
Record-Count	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0 (Reset)
Total-Record-Count	R	<input checked="" type="checkbox"/>		
Logging-Type	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Align-Intervals	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Interval-Offset	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Trigger	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Status-Flags	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notification-Threshold	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Records-Since-Notification	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Last-Notify-Record	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-State	R	<input checked="" type="checkbox"/>		
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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Event Log (EL = 25)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Property-List	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Enable	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Start-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Stop-Time	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Stop-When-Full	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Buffer-Size	R	<input checked="" type="checkbox"/>		Max. 8 (Create only)
Log-Buffer	R	<input checked="" type="checkbox"/>		
Record-Count	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0 (Reset)
Total-Record-Count	R	<input checked="" type="checkbox"/>		
Notification-Threshold	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Records-Since-Notification	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Last-Notify-Record	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Sauter-Event-Log-Accepted-List	8413	<input checked="" type="checkbox"/>		

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1.1.5.6. Application

Command (CMD = 7)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-Value	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	[0..12]
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
In-Process	R	<input checked="" type="checkbox"/>		
All-Writes-Successful	R	<input checked="" type="checkbox"/>		
Action	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(array, up to 12, max. 16 action commands each)
Action-Text	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(array, up to 12, max. 32 characters long each)
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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Pulse Converter (PC = 24)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Present-Value	R	<input checked="" type="checkbox"/>		
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Units	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Scale-Factor	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Adjust-Value	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Count	R	<input checked="" type="checkbox"/>		
Update-Time	R	<input checked="" type="checkbox"/>		
Count-Change-Time	R	<input checked="" type="checkbox"/>		
Count-Before-Change	R	<input checked="" type="checkbox"/>		
COV-Increment	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
COV-Period	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
High-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Low-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deadband	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Limit-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Reference	8244	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Event-Suppress-Active	8245	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Hardware-Input-Module-Id	8263	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hardware-Input-Channel-Id	8264	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PC-Limit-Monitoring-Interval	8281	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unsigned, 1..86400
PC-Pulse-Rate	8282	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	REAL

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Loop (LP = 12)

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Present-Value	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Status-Flags	R	<input checked="" type="checkbox"/>		
Event-State	R	<input checked="" type="checkbox"/>		
Reliability	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Out-Of-Service	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Update-Interval	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Output-Units	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Manipulated-Variable-Reference	R	<input checked="" type="checkbox"/>		
Controlled-Variable-Reference	R	<input checked="" type="checkbox"/>		
Controlled-Variable-Value	R	<input checked="" type="checkbox"/>		
Controlled-Variable-Units	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Setpoint-Reference	R	<input checked="" type="checkbox"/>		
Setpoint	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, if no Setpoint-Ref)
Action	R	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Proportional-Constant	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Proportional-Constant-Units	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Integral-Constant	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Integral-Constant-Units	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Derivative-Constant	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Derivative-Constant-Units	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Bias	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Maximum-Output	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Minimum-Output	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Priority-For-Writing	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
COV-Increment	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time-Delay	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification-Class	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Error-Limit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deadband	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Enable	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked-Transitions	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Notify-Type	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Time-Stamps	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Message-Texts-Config	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event-Detection-Enable	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit-Ref	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event-Algorithm-Inhibit	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(W, when no Ref set)
Time-Delay-Normal	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Reliability-Evaluation-Inhibit	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Property-List	R	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Event-Suppress-Cascade-Active	8246	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(IR enabled)
Controller-Deadband	8262	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
COV-Synchronization-Period	8314	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

BACnet Building Controller (B-BC)

1.1.5.7. Proprietary Objects

The proprietary objects are implemented according to all requirements for Conformance and Interoperability (Clause 22) and according to Extending BACnet To Accommodate Vendor Proprietary Information (Clause 23).

There are no specific property range restrictions except those specified in the BACnet Standard.

Proprietary object types are supported as listed:

IO Unit (IOU = 384)

Description: The IO-Unit object type defines the hardware units and represents the hardware inputs and outputs from the BACnet building controller and from the I/O-modules, the operating panel and the communication modules connected to the controller.

Standard Property	CC	R	W	Range Restriction
Object-Identifier	R	<input checked="" type="checkbox"/>		
Object-Name	R	<input checked="" type="checkbox"/>		
Object-Type	R	<input checked="" type="checkbox"/>		
Description	O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(up to 128 characters)
Firmware-Revision	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Status-Flags	R	<input checked="" type="checkbox"/>		
Property-List	R	<input checked="" type="checkbox"/>		
Profile-Name	O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Proprietary Property	Enum	R	W	Property Datatype Range Restriction
Hardware-Revision	8208	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
IOunit-Idx	8227	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Plugged-In	8228	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Serial-Number-Actual	8230	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
OP-Unit-Id-Actual	8233	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
OP-Unit-Id-Expected	8234	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
OP-Unit-Serial-Number-Expected	8235	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
OP-Unit-Serial-Number-Actual	8236	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Model-Name-Expected	8237	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Model-Name-Actual	8238	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Channel-Values	8239	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Channel-Types	8240	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sauter-On-Delay	8338	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(ecoLink Devices only)

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1.1.6. 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: ____
- BACnet/ZigBee (Annex O)
- Other: ____

1.1.7. Device Address Binding

Static device binding is supported: Yes No

1.1.8. Networking Options

- Router (Clause 6) - List of all routing configurations: ____
- BACnet Tunneling Router over IP (Annex H)
- BACnet/IP Broadcast Management Device (BBMD)
 - BBMD supports registrations by Foreign Devices: Yes No
 - BDT size: max. 32 FDT size: max. 32
 - BBMD supports network address translation? Yes No

1.1.9. Network Security Options:

- Non-secure Device - is capable of operating without BACnet Network Security
- Secure Device - is capable of using BACnet Network Security (NS-SD BIBB)
 - Multiple Application-Specific Keys:

BACnet Building Controller (B-BC)

- Supports encryption (NS-ED BIBB)
- Key Server (NS-KS BIBB)

1.1.10. Character Sets

Supports following character sets:

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> ISO 10646 (UTF-8) | <input type="checkbox"/> IBM™/Microsoft™ DBCS | <input checked="" type="checkbox"/> ISO 8859-1 |
| <input type="checkbox"/> ISO 10646 (UCS-2) | <input type="checkbox"/> ISO 10646 (UCS-4) | <input type="checkbox"/> JIS 0208 |

Outgoing character strings are communicated according to the selected character set (Sauter-character-set).

Incoming character strings with character sets other than ISO 10646 (UTF-8) will be mapped to ISO 10646 (UTF-8) internally.

1.1.11. Communication Gateway

modu660-AS and modu 680-AS both support SAUTER proprietary bus SLC, supporting ecoLink, ecoUnit, ASV and FCCP200 devices on a sub-network.

modu680-AS supports Modbus RTU slaver devices on a sub-network (i. e. is a Modbus Master).



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