

Protocol Implementation Conformance  
Statement

## PICS

### TROVIS 6610 Automation Station Model 6610-0000

Software Version  
**SAMSON BACstack V1.6**



TROVIS 6610

SAMSON AG  
MESS- UND REGELTECHNIK  
Weismüllerstraße 3  
60314 Frankfurt am Main  
Germany  
<http://www.samson.de>

2011-02-22



## Table of Contents

	DOKUMENT REVISION .....	3
1.	BACNET PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (PICS) .....	4
1.1.	PRODUCT DESCRIPTION.....	4
1.2.	BACNET STANDARDIZED DEVICE PROFILE (ANNEX L) .....	4
1.3.	BACNET INTEROPERABILITY BUILDING BLOCKS SUPPORTED (ANNEX K) .....	5
1.3.1.	Data Sharing BIBBs .....	5
1.3.2.	Alarm and event management BIBBs.....	5
1.3.3.	Scheduling BIBBs .....	5
1.3.4.	Trending BIBBs .....	5
1.3.5.	Device management BIBBs .....	6
1.3.6.	Network management BIBBs.....	6
1.4.	SEGMENTATION CAPABILITY .....	6
1.5.	STANDARD OBJECT TYPES SUPPORTED.....	7
1.5.1.	Analog Input .....	8
1.5.2.	Analog Output .....	9
1.5.3.	Analog Value.....	10
1.5.4.	Binary Input .....	11
1.5.5.	Binary Output .....	12
1.5.6.	Binary Value.....	13
1.5.7.	Calendar.....	14
1.5.8.	Device .....	14
1.5.9.	Event Enrollment.....	16
1.5.10.	File .....	16
1.5.11.	Multistate Input.....	17
1.5.12.	Multistate Output.....	18
1.5.13.	Multistate Value .....	19
1.5.14.	Notification Class .....	19
1.5.15.	Pulse Converter .....	20
1.5.16.	Schedule .....	21
1.5.17.	Trendlog.....	23
1.6.	DATA LINK LAYER OPTIONS .....	23
1.7.	DEVICE ADDRESS BINDING.....	23
1.8.	NETWORK OPTIONS .....	23
1.9.	CHARACTER SETS SUPPORTED.....	23



## DOCUMENT REVISION

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Revision Information</b>
0.1	2007-04-19	gkr	Start
1.0	2007-09-25	gkr	Event Enrollment / Event Type / only readable
1.1	2007-09-27	gkr	Puls Converter / Update_Time / only readable Binary Value / Minimum_Off_Time / not supported Binary Value / Minimum_On_Time / not supported Binary Input / Polarity writable Binary Output / Polarity writable
1.2	2008-02-25	gkr	All objects / Object_Name writable Analog Output / Relinquish_Default / only readable Analog Output / High_Limit supported Binary Output / Relinquish_Default only readable Multistate Output / Relinquish_Default only readable Schedule / List_Of_Obj_Prop_References writable Trendlog / Notification_Threshold writable
1.3	2008-03-06	big	Object File / Line Record_Count removed All Objects / Property Profile_Name removed SAMSON BACstack v 1.3
1.4	2008-04-07	gkr	Analog Value / Out_Of_Service / writable Analog Value / Reliability / writable Binary Value / Out_Of_Service / writable Binary Value / Reliability / writable Binary Value / Change_Of_State_Count / writable Binary Value / Elapsed_Active_Time / writable Multistate Value / Out_Of_Service / writable Multistate Value / Reliability / writable SAMSON BACstack v 1.6
1.5	2009-02-19	gkr	Multistate Value / complement Priority_Array Multistate Value / complement Relinquish_Default Firmware Revision / complement BACnet Protocol Revision / complement
1.6	2011-02-22	gkr	Device / VT_Classes_Supported removed Active_VT_Sessions removed List_Of_Session_Keys removed Max_Master removed Max_Info_Frames removed Slave_Proxy_Enable removed Man_Slave_Addr_Binding removed Auto_Slave_Discovery removed Slave_Address_Binding removed



## 1 . BACnet Protocol Implementation Conformance Statement (PICS)

Date: 2008-04-07

Vendor Name: SAMSON AG (BACnet Vendor ID 51)

Product Name: TROVIS 6610 Automation Station

Product Model Number: 6610-0000

Application Software Version: 1.0

Firmware Revision: 1.0 (SAMSON BACstack 1.6)

BACnet Protocol Revision: 1.4 (DIN EN ISO 16484-5:2007)

### 1.1. Product Description

Autonomous automation station for control and monitoring purposes

### 1.2. BACnet standardized device profile (Annex L)

- BACnet Operator Workstation (B-OWS)
- 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)



### 1.3. BACnet interoperability building blocks supported (Annex K)

#### 1.3.1. Data Sharing BIBBs

Data Sharing ReadProperty-A	DS-RP-A
Data Sharing ReadProperty-B	DS-RP-B
Data Sharing ReadProperty-Multiple-A	DS-RPM-A
Data Sharing ReadProperty-Multiple-B	DS-RPM-B
Data Sharing WriteProperty-A	DS-WP-A
Data Sharing WriteProperty-B	DS-WP-B
Data Sharing WriteProperty-Multiple-B	DS-WPM-B
Data Sharing COV-A	DS-COV-A
Data Sharing COV-B	DS-COV-B
Data Sharing COVP-A	DS-COVP-A
Data Sharing COVP-B	DS-COVP-B
Data Sharing COV - Unsolicited-A	DS-COVU-A
Data Sharing COV - Unsolicited-B	DS-COVU-B

#### 1.3.2. Alarm and event management BIBBs

Alarm and Event - Notification-Internal-B	AE-N-I-B
Alarm and Event - Notification-External-B	AE-N-E-B
Alarm and Event - Acknowledge-B	AE-ACK-B
Alarm and Event - AlarmSummary-B	AE-ASUM-B
Alarm and Event - EnrollmentSummary-B	AE-ESUM-B
Alarm and Event - Information-B	AE-INFO-B

#### 1.3.3. Sheduling BIBBs

Scheduling - Internal-B	SCHED-I-B
Scheduling - External-B	SCHED-E-B

#### 1.3.4. Trending BIBBs

Trending - Viewing and Modifying Trends-Internal-B	T-VMT-I-B
Tending – Viewing and Modifying Trends-External-B	T-VMT-E-B
Trending - Automated-Trend-Retrieval-B	T-ATR-B



### 1.3.5. Device management BIBBs

Device Management - Dynamic Device Binding-A	DM-DDB-A
Device Management - Dynamic Device Binding-B	DM-DDB-B
Device Management - Dynamic Object Binding-A	DM-DOB-A
Device Management - Dynamic Object Binding-B	DM-DOB-B
Device Management - Device Communication Control	DM-DCC-B
Device Management - TimeSynchronization-A	DM-TS-A
Device Management - TimeSynchronization-B	DM-TS-B
Device Management - UTCTimeSynchronization-A	DM-UTC-A
Device Management - UTCTimeSynchronization-B	DM-UTC-B
Device Management - ReinitializeDevice-B	DM-RD-B
Device Management - Backup and Restore-B	DM-BR-B
Device Management - Restart-B	DM-R-B
Device Management - List Manipulation-B	DM-LM-B
Device Management - Object Creation and Deletion-B	DM-OCD-B

### 1.3.6. Network management BIBBs

Network Management - ConnectionEstablishment-A	NM-CE-A
--	---------

### 1.4. Segmentation capability

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



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5. Standard object types supported

Object	Supported	Create	Delete
Accumulator			
Analog Input	<input checked="" type="checkbox"/>		
Analog Output	<input checked="" type="checkbox"/>		
Analog Value	<input checked="" type="checkbox"/>		
Averaging			
Binary Input	<input checked="" type="checkbox"/>		
Binary Output	<input checked="" type="checkbox"/>		
Binary Value	<input checked="" type="checkbox"/>		
Calendar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Command			
Device	<input checked="" type="checkbox"/>		
Event Enrollment (Event Log)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
File	<input checked="" type="checkbox"/>		
(Global Group)			
Group			
Life Safety Point			
Life Safety Zone			
Loop			
Multistate Input	<input checked="" type="checkbox"/>		
Multistate Output	<input checked="" type="checkbox"/>		
Multistate Value	<input checked="" type="checkbox"/>		
Notification Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Programm			
Pulse Converter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Trendlog (Trendlog Multiple)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.1. Analog Input

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Present_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Device_Typ	<input checked="" type="checkbox"/>		
Status_Flags	<input checked="" type="checkbox"/>		
Event_State	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Out_Of_Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Update_Interval	<input checked="" type="checkbox"/>		
Units	<input checked="" type="checkbox"/>		
Min_Pres_Value	<input checked="" type="checkbox"/>		
Max_Pres_Value	<input checked="" type="checkbox"/>		
Resolution	<input checked="" type="checkbox"/>		
COV_Increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
High_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Low_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deadband	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Limit_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transition	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Time_Stamps	<input checked="" type="checkbox"/>		

\* These properties are writable when Out\_Of\_Service is TRUE



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.2. Analog Output

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Present_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Device_Type	<input checked="" type="checkbox"/>		
Status_Flags	<input checked="" type="checkbox"/>		
Event_State	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Out_Of_Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Units	<input checked="" type="checkbox"/>		
Min_Pres_Value	<input checked="" type="checkbox"/>		
Max_Pres_Value	<input checked="" type="checkbox"/>		
Resolution	<input checked="" type="checkbox"/>		
Priority_Array	<input checked="" type="checkbox"/>		
Relinquish_Default	<input checked="" type="checkbox"/>		
COV_Increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
High_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Low_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deadband	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Limit_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transitions	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Time_Stamps	<input checked="" type="checkbox"/>		

\* This property is writable when Out\_Of\_Service is TRUE



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.3. Analog Value

Optional properties	supported	Writable properties	roperty range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Present_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> **	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Status_Flags	<input checked="" type="checkbox"/>		
Event_State	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Out_Of_Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Units	<input checked="" type="checkbox"/>		
Priority_Array	<input checked="" type="checkbox"/> ***		
Relinquish_Default	<input checked="" type="checkbox"/> ***		
COV_Increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
High_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Low_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deadband	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Limit_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transitions	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Time_Stamps	<input checked="" type="checkbox"/>		

\* These properties are writable when Out\_Of\_Service is TRUE

\*\* This property is writable when "parameter"

\*\*\* These properties are not commandable



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.4. Binary Input

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Present_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Device_Type	<input checked="" type="checkbox"/>		
Status_Flags	<input checked="" type="checkbox"/>		
Event_State	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Out_Of_Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Inactive_Text	<input checked="" type="checkbox"/>		
Active_Text	<input checked="" type="checkbox"/>		
Change_Of_State_Time	<input checked="" type="checkbox"/>		
Change_Of_State_Count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T_Of_State_Count_Reset	<input checked="" type="checkbox"/>		
Elapsed_Active_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T_Of_Active_Time_Reset	<input checked="" type="checkbox"/>		
Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Alarm_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transitions	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Time_Stamps	<input checked="" type="checkbox"/>		

\* These properties are writable when Out\_Of\_Service is TRUE



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.5. Binary Output

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Present_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Device_Type	<input checked="" type="checkbox"/>		
Status_Flags	<input checked="" type="checkbox"/>		
Event_State	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>		
Out_Of_Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Polarity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Inactive_Text	<input checked="" type="checkbox"/>		
Active_Text	<input checked="" type="checkbox"/>		
Change_Of_State_Time	<input checked="" type="checkbox"/>		
Change_Of_State_Count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T_Of_State_Count_Reset	<input checked="" type="checkbox"/>		
Elapsed_Active_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T_Of_Active_Time_Reset	<input checked="" type="checkbox"/>		
Minimum_Off_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Minimum_On_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Priority_Array	<input checked="" type="checkbox"/>		
Relinquish_Default	<input checked="" type="checkbox"/>		
Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Feedback_Value	<input checked="" type="checkbox"/>		
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transitions	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>		
Event_Time_Stamps	<input checked="" type="checkbox"/>		



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.6. Binary Value

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Present_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> **	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Status_Flags	<input checked="" type="checkbox"/>		
Event_State	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Out_Of_Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Inactive_Text	<input checked="" type="checkbox"/>		
Active_Text	<input checked="" type="checkbox"/>		
Change_Of_State_Time	<input checked="" type="checkbox"/>		
Change_Of_State_Count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T_Of_State_Count_Reset	<input checked="" type="checkbox"/>		
Elapsed_Active_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
T_Of_Active_Time_Reset	<input checked="" type="checkbox"/>		
Minimum_Off_Time			
Minimum_On_Time			
Priority_Array	<input checked="" type="checkbox"/> ***		
Relinquish_Default	<input checked="" type="checkbox"/> ***		
Time_Delay	<input checked="" type="checkbox"/>		
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Alarm_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transitions	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Time_Stamps	<input checked="" type="checkbox"/>		

\* These properties are writable when Out\_Of\_Service is TRUE

\*\* This property is writable when "parameter"

\*\*\* These properties are not commandable



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.7. Calendar

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Present_Value	<input checked="" type="checkbox"/>		
Date_List	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

### 1.5.8. Device

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
System_Status	<input checked="" type="checkbox"/>		
Vendor_Name	<input checked="" type="checkbox"/>		
Vendor_Identifier	<input checked="" type="checkbox"/>		
Model_Name	<input checked="" type="checkbox"/>		
Firmware_Revision	<input checked="" type="checkbox"/>		
App_Software_Version	<input checked="" type="checkbox"/>		
Location	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Protocol_Version	<input checked="" type="checkbox"/>		
Protocol_Revision	<input checked="" type="checkbox"/>		
Prot_Services_Supported	<input checked="" type="checkbox"/>		
Prot_Obj_Types_Supp	<input checked="" type="checkbox"/>		
Object_List	<input checked="" type="checkbox"/>		
Max_APDU_Length_Acc	<input checked="" type="checkbox"/>		
Segmentation_Supported	<input checked="" type="checkbox"/>		
Max_Segments_Accepted	<input checked="" type="checkbox"/>		
Local_Time	<input checked="" type="checkbox"/>		
Local_Date	<input checked="" type="checkbox"/>		
UTC_Offset	<input checked="" type="checkbox"/>		
Daylight_Savings_Status	<input checked="" type="checkbox"/>		
APDU_Segment_Timeout	<input checked="" type="checkbox"/>		
APDU_Timeout	<input checked="" type="checkbox"/>		
Nu_Of_APDU_Retries	<input checked="" type="checkbox"/>		
T_Synch_Recipients	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	****



## BACnet Protocol Implementation Conformance Statement (PICS)

---

Device_Address_Binding	<input checked="" type="checkbox"/>	
Database_Revision	<input checked="" type="checkbox"/>	
Configuration_Files	<input checked="" type="checkbox"/>	
Last_Restore_Time	<input checked="" type="checkbox"/>	
Backup_Failure_Timeout	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active_COV_Subscriptions	<input checked="" type="checkbox"/>	

\*\*\*\* This property is writable when device is Time\_Master



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.9. Event Enrollment

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Type	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Parameters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Obj_Property_Reference	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_State	<input checked="" type="checkbox"/>		
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transitions	<input checked="" type="checkbox"/>		
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Time_Stamps	<input checked="" type="checkbox"/>		

### 1.5.10. File

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
File_Type	<input checked="" type="checkbox"/>		
File_Size	<input checked="" type="checkbox"/>		
Modification_Date	<input checked="" type="checkbox"/>		
Archive	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Read_Only	<input checked="" type="checkbox"/>		
File_Access_Method	<input checked="" type="checkbox"/>		



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.11. Multistate Input

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Present_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Device_Type	<input checked="" type="checkbox"/>		
Status_Flags	<input checked="" type="checkbox"/>		
Event_State	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Out_Of_Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Number_Of_States	<input checked="" type="checkbox"/>		
State_Text	<input checked="" type="checkbox"/>		
Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Alarm_Values	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fault_Values	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transitions	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Time_Stamps	<input checked="" type="checkbox"/>		

\* These properties are writable when Out\_Of\_Service is TRUE



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.12. Multistate Output

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Present_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Device_Type	<input checked="" type="checkbox"/>		
Status_Flags	<input checked="" type="checkbox"/>		
Event_State	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Out_Of_Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Number_Of_States	<input checked="" type="checkbox"/>		
State_Text	<input checked="" type="checkbox"/>		
Priority_Array	<input checked="" type="checkbox"/>		
Relinquish_Default	<input checked="" type="checkbox"/>		
Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Feedback_Value	<input checked="" type="checkbox"/>		
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transitions	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Time_Stamps	<input checked="" type="checkbox"/>		

\* This property is writable when Out\_Of\_Service is TRUE



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.13. Multistate Value

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Present_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> **	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Status_Flags	<input checked="" type="checkbox"/>		
Event_State	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Out_Of_Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Number_Of_States	<input checked="" type="checkbox"/>		
State_Text	<input checked="" type="checkbox"/>		
Priority_Array	<input checked="" type="checkbox"/> ***		
Relinquish_Default	<input checked="" type="checkbox"/> ***		
Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Alarm_Values	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Fault_Values	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transitions	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Time_Stamps	<input checked="" type="checkbox"/>		

\* This property is writable when Out\_Of\_Service is TRUE

\*\* This property is writable when "parameter"

\*\*\* These properties are not commandable

### 1.5.14. Notification Class

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification_Class	<input checked="" type="checkbox"/>		
Priority	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Ack_Required	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Recipient_List	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.15. Pulse Converter

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Present_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	*
Input_Reference	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Status_Flags	<input checked="" type="checkbox"/>		
Event_State	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	*
Out_Of_Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Units	<input checked="" type="checkbox"/>		
Scale_Factor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Adjust_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Count	<input checked="" type="checkbox"/>		
Update_Time	<input checked="" type="checkbox"/>		
Count_Change_Time	<input checked="" type="checkbox"/>		
Count_Before_Change	<input checked="" type="checkbox"/>		
COV_Increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
COV_Period	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Time_Delay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
High_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Low_Limit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Deadband	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Limit_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transitions	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Time_Stamps	<input checked="" type="checkbox"/>		

\* These properties are writable when Out\_Of\_Service is TRUE



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.16. Schedule

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Present_Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Effective_Period	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Weekly_Schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Exception_Schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Schedule_Default	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
List_Of_Obj._Prop._References	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Priority_For_Writing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Status_Flags	<input checked="" type="checkbox"/>		
Reliability	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Out_Of_Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

\* These properties are writable when Out\_Of\_Service is TRUE



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 1.5.17. Trendlog

Optional properties	supported	Writable properties	Property range restrictions
Object_Identifier	<input checked="" type="checkbox"/>		
Object_Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Object_Type	<input checked="" type="checkbox"/>		
Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Log_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Start_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Stop_Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Log_DeviceObjectProperty	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Log_Interval	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
COV_Resubscription_Interval	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Client_COV_Increment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Stop_When_Full	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Buffer_Size	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> *	
Log_Buffer	<input checked="" type="checkbox"/>		
Record_Count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Total_Record_Count	<input checked="" type="checkbox"/>		
Notification_Threshold	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Records_Since_Notification	<input checked="" type="checkbox"/>		
Last_Notify_Record	<input checked="" type="checkbox"/>		
Event_State	<input checked="" type="checkbox"/>		
Notification_Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Acked_Transitions	<input checked="" type="checkbox"/>		
Notify_Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Event_Time_Stamps	<input checked="" type="checkbox"/>		

\* This property is writable when Log\_Enable is FALSE



## BACnet Protocol Implementation Conformance Statement (PICS)

---

### 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)
- 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): 115200 bit/s
- Point-To-Point, modem, (Clause 10), baud rate(s): max. Modem
- LonTalk, (Clause 11), medium:
- Other:

### 1.7. Device Address Binding

Is static device binding supported?  Yes  No

### 1.8. Network Options

- Router, Clause 6, BACnet IP / BACnet PTP
- Annex H, BACnet Tunneling Router over IP
- BACnet/IP Broadcast Management Device (BBMD)

Does the BBMD support registrations by foreign devices?  Yes  No  
(Max. list foreign devices = 128)

### 1.9. Character Sets Supported

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

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> ANSI X3.4  | <input checked="" type="checkbox"/> ISO 10646 (UCS-2) |
| <input type="checkbox"/> IBM / Microsoft DBCS  | <input checked="" type="checkbox"/> ISO 10646 (UCS-4) |
| <input checked="" type="checkbox"/> ISO 8859-1 | <input type="checkbox"/> JIS C 6226                   |
| <input checked="" type="checkbox"/> UTF-8      |   |