

# SIEMENS



## **Desigo<sup>®</sup> CC Version 4.0 BACnet Protocol Implementation Conformance Statement (PICS) Basic Documentation**

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# 1 Desigo CC Workstation

<b>Date</b>	: August 22, 2018
<b>Vendor name</b>	: Siemens Building Technologies (Vendor ID 7)
<b>Product name</b>	: Desigo CC Workstation
<b>Product model number</b>	: 4.0
<b>BACnet protocol version</b>	: 15
<b>Application software version</b>	: 4.0
<b>Firmware revision</b>	: n/a

## 1.1 Product Description

The Desigo CC management platform presents a single point of entry for users to operate, monitor and optimize building automation, fire safety and security systems or a combination thereof.

Desigo CC is a flexible, full client-server architecture allowing scalability from small and medium to large and complex systems. The platform provides customizable and market-specific distributions.

## 1.2 BACnet Standardized Device Profile (Annex L)

Devices may claim to be multiple device types. For example, a device may claim to be both a B-BC and the B-RTR. Devices that claim multiple device profiles shall only combine capabilities from different device families, with the exception that multiple profiles may be selected from the Miscellaneous family. For example, a device may claim the B-BC, B-RTR, and BBMD profiles, but a device may not claim both the B-BC and B-SS profiles.

### Operator Interfaces

<input type="checkbox"/>	BACnet Cross-Domain Advanced Operator Workstation	(B-XAWS)
<input checked="" type="checkbox"/>	BACnet Advanced Operator Workstation	(B-AWS)
<input type="checkbox"/>	BACnet Operator Workstation	(B-OWS)
<input type="checkbox"/>	BACnet Operator Display	(B-OD)

### Life Safety Operator Interfaces.

<input type="checkbox"/>	BACnet Advanced Life Safety Workstation	(B-ALSWS)
<input type="checkbox"/>	BACnet Life Safety Workstation	(B-LSWS)
<input type="checkbox"/>	BACnet Life Safety Annunciator Panel	(B-LSAP)

### Access Control Operator Interfaces.

<input type="checkbox"/>	BACnet Advanced Access Control Workstation	(B-AACWS)
<input type="checkbox"/>	BACnet Access Control Workstation	(B-ACWS)
<input type="checkbox"/>	BACnet Access Control Security Display	(B-ACSD)

### Controllers

<input type="checkbox"/>	BACnet Building Controller	(B-BC)
<input type="checkbox"/>	BACnet Advanced Application Controller	(B-AAC)
<input type="checkbox"/>	BACnet Application Specific Controller	(B-ASC)
<input type="checkbox"/>	BACnet Smart Actuator	(B-SA)
<input type="checkbox"/>	BACnet Smart Sensor	(B-SS)

### Life Safety Controllers

<input type="checkbox"/>	BACnet Advanced Life Safety Controller	(B-ALSC)
<input type="checkbox"/>	BACnet Life Safety Controller	(B-LSC)

### Access Control Controllers

<input type="checkbox"/>	BACnet Advanced Access Control Controller	(B-AACC)
<input type="checkbox"/>	BACnet Access Control Controller	(B-ACC)

### Miscellaneous

<input type="checkbox"/>	BACnet Router	(B-RTR)
<input type="checkbox"/>	BACnet Gateway	(B-GW)
<input type="checkbox"/>	BACnet Broadcast Management Device	(B-BBMD)
<input type="checkbox"/>	BACnet Access Control Door Controller	(B-ACDC)
<input type="checkbox"/>	BACnet Access Control Credential Reader	(B-ACCR)

The B-GENERAL device profile is not included in any of the profile families and is never claimed in conjunction with any other device profile, except those from the Miscellaneous family.

<input type="checkbox"/>	BACnet General	(B-GENERAL)
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### 1.3 BACnet Interoperability Building Blocks Supported (Annex K)

#### Data Sharing

<input checked="" type="checkbox"/>	Data Sharing – Read Property-A	DS-RP-A
<input checked="" type="checkbox"/>	Data Sharing – Read Property-B	DS-RP-B
<input checked="" type="checkbox"/>	Data Sharing – Read Property Multiple-A	DS-RPM-A
<input checked="" type="checkbox"/>	Data Sharing – Read Property Multiple-B	DS-RPM-B
<input checked="" type="checkbox"/>	Data Sharing – Write Property-A	DS-WP-A
<input checked="" type="checkbox"/>	Data Sharing – Write Property-B	DS-WP-B
<input checked="" type="checkbox"/>	Data Sharing – Write Property Multiple-A	DS-WPM-A
<input type="checkbox"/>	Data Sharing – Write Property Multiple-B	DS-WPM-B
<input checked="" type="checkbox"/>	Data Sharing – Change of Value -A	DS-COV-A
<input type="checkbox"/>	Data Sharing – Change of Value -B	DS-COV-B
<input checked="" type="checkbox"/>	Data Sharing – Change of Value Property -A	DS-COVP-A
<input type="checkbox"/>	Data Sharing – Change of Value Property -B	DS-COVP-B
<input type="checkbox"/>	Data Sharing – Change of Value-Unsolicited-A	DS-COVU-A
<input type="checkbox"/>	Data Sharing – Change of Value-Unsolicited-B	DS-COVU-B
<input checked="" type="checkbox"/>	Data Sharing – View-A	DS-V-A
<input checked="" type="checkbox"/>	Data Sharing – Advanced View-A	DS-AV-A
<input checked="" type="checkbox"/>	Data Sharing – Modify-A	DS-M-A
<input checked="" type="checkbox"/>	Data Sharing – Advanced Modify-A	DS-AM-A
<input type="checkbox"/>	Data Sharing – WriteGroup-A	DS-WG-A
<input type="checkbox"/>	Data Sharing – WriteGroup-Internal-B	DS-WG-I-B
<input type="checkbox"/>	Data Sharing – WriteGroup-External-B	DS-WG-E-B
<input type="checkbox"/>	Data Sharing – Value Source Information-B	DS-VSI-B
<input type="checkbox"/>	Data Sharing – Change Of Value Multiple-A	DS-COVM-A
<input type="checkbox"/>	Data Sharing – Change Of Value Multiple-B	DS-COVM-B
<input type="checkbox"/>	Data Sharing – Life Safety View-A	DS-LSV-A
<input type="checkbox"/>	Data Sharing – Life Safety Advanced View-A	DS-LSAV-A
<input type="checkbox"/>	Data Sharing – Life Safety Modify-A	DS-LSM-A
<input type="checkbox"/>	Data Sharing – Life Safety Advanced Modify-A	DS-LSAM-A
<input type="checkbox"/>	Data Sharing – Access Control View-A	DS-ACV-A
<input type="checkbox"/>	Data Sharing – Access Control Advanced View-A	DS-ACAV-A
<input type="checkbox"/>	Data Sharing – Access Control Modify-A	DS-ACM-A
<input type="checkbox"/>	Data Sharing – Access Control Advanced Modify-A	DS-ACAM-A
<input type="checkbox"/>	Data Sharing – Access Control User Configuration-A	DS-ACUC-A
<input type="checkbox"/>	Data Sharing – Access Control User Configuration-B	DS-ACUC-B
<input type="checkbox"/>	Data Sharing – Access Control Site Configuration-A	DS-ACSC-A
<input type="checkbox"/>	Data Sharing – Access Control Site Configuration-B	DS-ACSC-B
<input type="checkbox"/>	Data Sharing – Access Control Access Door-A	DS-ACAD-A
<input type="checkbox"/>	Data Sharing – Access Control Access Door-B	DS-ACAD-B
<input type="checkbox"/>	Data Sharing – Access Control Credential Data Input-A	DS-ACCDI-A
<input type="checkbox"/>	Data Sharing – Access Control Credential Data Input-B	DS-ACCDI-B

## Alarm and Event Management

<input checked="" type="checkbox"/>	Alarm and Event – Notification-A	AE-N-A
<input type="checkbox"/>	Alarm and Event – Notification Internal-B	AE-N-I-B
<input type="checkbox"/>	Alarm and Event – Notification External-B	AE-N-E-B
<input checked="" type="checkbox"/>	Alarm and Event – Acknowledge-A	AE-ACK-A
<input type="checkbox"/>	Alarm and Event – Acknowledge-B	AE-ACK-B
<input type="checkbox"/>	Alarm and Event – Alarm Summary-B	AE-ASUM-B
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-B	AE-ESUM-B
<input type="checkbox"/>	Alarm and Event – Information-B	AE-INFO-B
<input checked="" type="checkbox"/>	Alarm and Event – Life Safety-A	AE-LS-A
<input type="checkbox"/>	Alarm and Event – Life Safety-B	AE-LS-B
<input checked="" type="checkbox"/>	Alarm and Event – View Notifications-A	AE-VN-A
<input checked="" type="checkbox"/>	Alarm and Event – Advanced View Notifications-A	AE-AVN-A
<input checked="" type="checkbox"/>	Alarm and Event – View and Modify-A	AE-VM-A
<input checked="" type="checkbox"/>	Alarm and Event – Advanced View and Modify-A	AE-AVM-A
<input checked="" type="checkbox"/>	Alarm and Event – Alarm Summary View-A	AE-AS-A
<input checked="" type="checkbox"/>	Alarm and Event – Event Log View-A	AE-ELV-A
<input checked="" type="checkbox"/>	Alarm and Event – Event Log View and Modify-A	AE-ELVM-A
<input type="checkbox"/>	Alarm and Event – Event Log Internal-B	AE-EL-I-B
<input type="checkbox"/>	Alarm and Event – Event Log External-B	AE-EL-E-B
<input type="checkbox"/>	Alarm and Event – Notification Forwarder-B	AE-NF-B
<input type="checkbox"/>	Alarm and Event – Notification Forwarder-Internal-B	AE-NF-I-B
<input type="checkbox"/>	Alarm and Event – Configurable Recipient Lists-B	AE-CRL-B
<input type="checkbox"/>	Alarm and Event – Temporary Event Subscription-A	AE-TES-A
<input type="checkbox"/>	Alarm and Event – Life Safety View Notifications-A	AE-LSVN-A
<input type="checkbox"/>	Alarm and Event – Life Safety Advanced View Notifications-A	AE-LSAVN-A
<input type="checkbox"/>	Alarm and Event – Life Safety View and Modify-A	AE-LSVM-A
<input type="checkbox"/>	Alarm and Event – Life Safety Advanced View and Modify-A	AE-LSAVM-A
<input type="checkbox"/>	Alarm and Event – Access Control-A	AE-AC-A
<input type="checkbox"/>	Alarm and Event – Access Control-B	AE-AC-B
<input type="checkbox"/>	Alarm and Event – Access Control Advanced View Notifications-A	AE-ACAVN-A
<input type="checkbox"/>	Alarm and Event – Access Control View and Modify-A	AE-ACVM-A
<input type="checkbox"/>	Alarm and Event – Access Control Advanced View and Modify-A	AE-ACAVM-A

### Historical/Deprecated BIBBs

<input checked="" type="checkbox"/>	Alarm and Event – Alarm Summary-A	AE-ASUM-A
<input checked="" type="checkbox"/>	Alarm and Event – Enrollment Summary-A	AE-ESUM-A
<input checked="" type="checkbox"/>	Alarm and Event – Information-A	AE-INFO-A

**Scheduling**

<input type="checkbox"/>	Scheduling – Internal-B	SCHED-I-B
<input type="checkbox"/>	Scheduling – External-B	SCHED-E-B
<input type="checkbox"/>	Scheduling – Readonly-B	SCHED-R-B
<input checked="" type="checkbox"/>	Scheduling – Advanced View Modify-A	SCHED-AVM-A
<input checked="" type="checkbox"/>	Scheduling – View Modify-A	SCHED-VM-A
<input checked="" type="checkbox"/>	Scheduling – Weekly Schedule-A	SCHED-WS-A
<input type="checkbox"/>	Scheduling – Weekly Schedule Internal-B	SCHED-WS-I-B
<input type="checkbox"/>	Scheduling – Timer-Internal-B	SCHED-TMR-I-B
<input type="checkbox"/>	Scheduling – Timer-External-B	SCHED-TMR-E-B

**Historical/Deprecated BIBBs**

<input checked="" type="checkbox"/>	Scheduling – A	SCHED-A
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**Trending**

<input type="checkbox"/>	Trending – Viewing and Modifying Internal-B	T-VMT-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying External-B	T-VMT-E-B
<input checked="" type="checkbox"/>	Trending – Automated Trend Retrieval-A	T-ATR-A
<input type="checkbox"/>	Trending – Automated Trend Retrieval-B	T-ATR-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values Internal-B	T-VMMV-I-B
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values External -B	T-VMMV-E-B
<input checked="" type="checkbox"/>	Trending – Automated Multiple Value Retrieval-A	T-AMVR-A
<input type="checkbox"/>	Trending – Automated Multiple Value Retrieval-B	T-AMVR-B
<input checked="" type="checkbox"/>	Trending – View-A	T-V-A
<input checked="" type="checkbox"/>	Trending – Advanced View and Modify-A	T-AVM-A
<input checked="" type="checkbox"/>	Trending – Archival-A	T-A-A

**Historical/Deprecated BIBBs**

<input type="checkbox"/>	Trending – Viewing and Modifying Trends-A	T-VMT-A
<input type="checkbox"/>	Trending – Viewing and Modifying Multiple Values-A	T-VMMV-A

## Device Management

<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-A	DM-DDB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Device Binding-B	DM-DDB-B
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-A	DM-DOB-A
<input checked="" type="checkbox"/>	Device Management – Dynamic Object Binding-B	DM-DOB-B
<input checked="" type="checkbox"/>	Device Management – Device Communication Control-A	DM-DCC-A
<input type="checkbox"/>	Device Management – Device Communication Control-B	DM-DCC-B
<input checked="" type="checkbox"/>	Device Management – Text Message-A	DM-TM-A
<input type="checkbox"/>	Device Management – Text Message-B	DM-TM-B
<input checked="" type="checkbox"/>	Device Management – Time Synchronization-A	DM-TS-A
<input type="checkbox"/>	Device Management – Time Synchronization-B	DM-TS-B
<input checked="" type="checkbox"/>	Device Management – UTC Time Synchronization-A	DM-UTC-A
<input type="checkbox"/>	Device Management – UTC Time Synchronization-B	DM-UTC-B
<input checked="" type="checkbox"/>	Device Management – Reinitialize Device-A	DM-RD-A
<input type="checkbox"/>	Device Management – Reinitialize Device-B	DM-RD-B
<input checked="" type="checkbox"/>	Device Management – Backup and Restore-A	DM-BR-A
<input type="checkbox"/>	Device Management – Backup and Restore-B	DM-BR-B
<input type="checkbox"/>	Device Management – Restart-A	DM-R-A
<input type="checkbox"/>	Device Management – Restart-B	DM-R-B
<input checked="" type="checkbox"/>	Device Management – List Manipulation-A	DM-LM-A
<input checked="" type="checkbox"/>	Device Management – List Manipulation-B	DM-LM-B
<input checked="" type="checkbox"/>	Device Management – Object Creation and Deletion-A	DM-OCD-A
<input type="checkbox"/>	Device Management – Object Creation and Deletion-B	DM-OCD-B
<input type="checkbox"/>	Device Management – Virtual Terminal-A	DM-VT-A
<input type="checkbox"/>	Device Management – Virtual Terminal-B	DM-VT-B
<input checked="" type="checkbox"/>	Device Management – Automatic Network Mapping-A	DM-ANM-A
<input checked="" type="checkbox"/>	Device Management – Automatic Device Mapping-A	DM-ADM-A
<input checked="" type="checkbox"/>	Device Management – Automatic Time Synchronization-A	DM-ATS-A
<input checked="" type="checkbox"/>	Device Management – Manual Time Synchronization-A	DM-MTS-A
<input type="checkbox"/>	Device Management – Slave Proxy-View and Modify-A	DM-SP-VM-A
<input type="checkbox"/>	Device Management – Slave Proxy-B	DM-SP-B



**Network Management**

<input checked="" type="checkbox"/>	Network Management – Connection Establishment-A	NM-CE-A
<input type="checkbox"/>	Network Management – Connection Establishment-B	NM-CE-B
<input type="checkbox"/>	Network Management – Router Configuration-A	NM-RC-A
<input type="checkbox"/>	Network Management – Router Configuration-B	NM-RC-B
<input type="checkbox"/>	Network Management – BBMD Configuration-A	NM-BBMD-A
<input type="checkbox"/>	Network Management – BBMD Configuration-B	NM-BBMD-B
<input type="checkbox"/>	Network Management – Foreign Device Registration-A	NM-FDR-A

**Gateway**

<input type="checkbox"/>	Gateway – Virtual Network-B	GW-VN-B
<input type="checkbox"/>	Gateway – Embedded Objects-B	GW-EO-B

**Network Security**

<input type="checkbox"/>	Network Security – Secure Device	NS-SD
<input type="checkbox"/>	Network Security – Encrypted Device	NS-ED
<input type="checkbox"/>	Network Security – Multi-Application Device	NS-MAD
<input type="checkbox"/>	Network Security – Device Master Key-A	NS-DMK-A
<input type="checkbox"/>	Network Security – Device Master Key-B	NS-DMK-B
<input type="checkbox"/>	Network Security – Key Server	NS-KS
<input type="checkbox"/>	Network Security – Temporary Key Server	NS-TKS
<input type="checkbox"/>	Network Security – Secure Router	NS-SR
<input type="checkbox"/>	Network Security – Security Proxy	NS-SP

## 1.4 Client Supported Object Types

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Averaging	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Command	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Enrollment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
File	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Point	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Zone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulse-Converter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Trend Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structured-View	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log Multiple	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Characterstring Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Octetstring Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integer Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Positive Integer Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Object type	Supported	Can be created dynamically	Can be deleted dynamically
Date Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Pattern Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Pattern Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Pattern Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Global Group	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Forwarder	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alert Enrollment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lighting Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Lighting Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Port	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Timer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Elevator Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lift	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Escalator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Device**

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input checked="" type="checkbox"/>	R	
Object_Name	<input checked="" type="checkbox"/>	R	
Object_Type	<input checked="" type="checkbox"/>	R	
System_Status	<input checked="" type="checkbox"/>	R	
Vendor_Name	<input checked="" type="checkbox"/>	R	
Vendor_Identifier	<input checked="" type="checkbox"/>	R	
Model_Name	<input checked="" type="checkbox"/>	R	
Firmware_Revision	<input checked="" type="checkbox"/>	R	
Application_Software_Version	<input checked="" type="checkbox"/>	R	
Location	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Protocol_Version	<input checked="" type="checkbox"/>	R	
Protocol_Revision	<input checked="" type="checkbox"/>	R	
Protocol_Services_Supported	<input checked="" type="checkbox"/>	R	
Protocol_Object_Types_Supported	<input checked="" type="checkbox"/>	R	
Object_List	<input checked="" type="checkbox"/>	R	
Structured_Object_List	<input type="checkbox"/>	R	
Max_APDU_Length_Accepted	<input checked="" type="checkbox"/>	R	
Segmentation_Supported	<input checked="" type="checkbox"/>	R	
Max_Segments_Accepted	<input checked="" type="checkbox"/>	R	
VT_Classes_Supported	<input type="checkbox"/>		
Active_VT_Sessions	<input type="checkbox"/>		
Local_Time	<input type="checkbox"/>	R	
Local_Date	<input type="checkbox"/>	R	
UTC_Offset	<input checked="" type="checkbox"/>	W	
Daylight_Savings_Status	<input type="checkbox"/>	R	
APDU_Segment_Timeout	<input checked="" type="checkbox"/>	R	
APDU_Timeout	<input checked="" type="checkbox"/>	R	
Number_Of_APDU_Retries	<input checked="" type="checkbox"/>	R	
List_Of_Session_Keys	<input type="checkbox"/>		
Time_Synchronization_Recipients	<input checked="" type="checkbox"/>	W	
Max_Master	<input type="checkbox"/>		
Max_Info_Frames	<input type="checkbox"/>		
Device_Address_Binding	<input checked="" type="checkbox"/>	R	
Database_Revision	<input checked="" type="checkbox"/>	R	
Configuration_Files	<input type="checkbox"/>	R	
Last_Restore_Time	<input type="checkbox"/>	R	
Backup_Failure_Timeout	<input type="checkbox"/>	W	
Backup_Preparation_Time	<input type="checkbox"/>	R	
Restore_Preparation_Time	<input type="checkbox"/>	R	
Restore_Completion_Time	<input type="checkbox"/>	R	
Backup_And_Restore_State	<input type="checkbox"/>	R	
Active_COV_Subscriptions	<input type="checkbox"/>	R	
Slave_Proxy_Enable	<input type="checkbox"/>		
Manual_Slave_Adress_Binding	<input type="checkbox"/>		

Properties	supported	Readable/ Writable	Range restrictions
Auto_Slave_Discovery	<input type="checkbox"/>		
Slave_Address_Binding	<input type="checkbox"/>		
Last_Restart_Reason	<input type="checkbox"/>	R	
Time_Of_Device_Restart	<input type="checkbox"/>	R	
Restart_Notification_Recipients	<input type="checkbox"/>	W	
UTC_Time_Synchronization_Recipients	<input checked="" type="checkbox"/>	W	
Time_Synchronization_Interval	<input type="checkbox"/>	W	
Align_Intervals	<input type="checkbox"/>	W	
Interval_Offset	<input type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

## 1.5 Segmentation Capability

<input checked="" type="checkbox"/>	Able to transmit segmented messages	Window size	32
<input checked="" type="checkbox"/>	Able to receive segmented messages	Window size	32

## 1.6 Data Link Layer Options

The simultaneously supported Data Link Layers of a product are listed with the product model number.

<input type="checkbox"/>	ARCNET (ATA 878.1), 2.5 Mb. (Clause 8)	
<input type="checkbox"/>	ARCNET (ATA 878.1), EIA-485 (Clause 8), baud rate(s)	
<input checked="" type="checkbox"/>	BACnet IP, (Annex J)	
<input checked="" type="checkbox"/>	BACnet IP, (Annex J), BACnet Broadcast Management Device (BBMD)	BDT entries: 250 FDT entries: 16
<input type="checkbox"/>	BACnet IP, (Annex J), Network Address Translation (NAT Traversal)	
<input type="checkbox"/>	BACnet IPv6, (Annex U)	
<input type="checkbox"/>	BACnet IPv6, (Annex U), BACnet Broadcast Management Device (BBMD)	BDT entries: FDT entries:
<input type="checkbox"/>	BACnet/ZigBee (Annex O)	
<input checked="" type="checkbox"/>	Ethernet, ISO 8802-3 (Clause 7)	
<input type="checkbox"/>	LonTalk, ISO/IEC 14908.1 (Clause 11), medium:	: TP/FT-10
<input type="checkbox"/>	ISO 8802-3, Ethernet (Clause 7)	
<input type="checkbox"/>	MS/TP master (Clause 9), baud rate(s):	: 9600 : 19200 : 38400 : 76800 : 115200
<input type="checkbox"/>	MS/TP slave (Clause 9), baud rate(s)	
<input type="checkbox"/>	Point-To-Point, EIA 232 (Clause 10), baud rate(s)	: 38400
<input type="checkbox"/>	Point-To-Point, modem, (Clause 10), baud rate(s)	: 38400
<input type="checkbox"/>	Other	

## 1.7 Device Address Binding

Is static device binding supported?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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## 1.8 Networking Options

<input type="checkbox"/>	Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
<input type="checkbox"/>	Annex H, BACnet Tunnelling Router over IP

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

## 1.10 Gateway Options

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports:

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If this product is a communication gateway which presents a network of virtual BACnet devices, a separate PICS shall be provided that describes the functionality of the virtual BACnet devices. That PICS shall describe a superset of the functionality of all types of virtual BACnet devices that can be presented by the gateway.

## 1.11 Network Security Options

<input type="checkbox"/>	Non-secure Device - is capable of operating without BACnet Network Security
<input type="checkbox"/>	Secure Device - is capable of using BACnet Network Security (NS-SD BIBB)
<input type="checkbox"/>	Multiple Application-Specific Keys
<input type="checkbox"/>	Supports encryption (NS-ED BIBB)
<input type="checkbox"/>	Key Server (NS-KS BIBB)