

SIEMENS



**TXB3 Bus Interface Module
BACnet Protocol Implementation Conformance
Statement (PICS)
Basic documentation**

TXB3 Bus Interface Module

Date	: 23 March 2017
Vendor name	: Siemens Building Technologies (Vendor ID 7)
Product name	: TXB3
Product model number	: TXB3.M-1
BACnet protocol version	: 1:13
Application software version	: ?
Firmware revision	: ?

1.1 Product Model Numbers

Model	Description	Comm. Type
TXB3.M-1		MSTP

1.2 Product description

The TXB3 is an application specific BACnet controller to be used as a Bus Interface Module.

1.3 BACnet standardized device profile (Annex L)

<input type="checkbox"/>	BACnet Advanced Workstation	(B-AWS)
<input type="checkbox"/>	BACnet Operator Workstation	(B-OWS)
<input type="checkbox"/>	BACnet Operator Display	(B-OD)
<input type="checkbox"/>	BACnet Building Controller	(B-BC)
<input type="checkbox"/>	BACnet Advanced Application Controller	(B-AAC)
<input checked="" type="checkbox"/>	BACnet Application Specific Controller	(B-ASC)
<input type="checkbox"/>	BACnet Smart Sensor	(B-SS)
<input type="checkbox"/>	BACnet Smart Actuator	(B-SA)

1.4 BACnet interoperability building blocks supported (Annex K)

Data sharing

<input type="checkbox"/>	Data Sharing – Read Property-A	DS-RP-A
<input checked="" type="checkbox"/>	Data Sharing – Read Property-B	DS-RP-B
<input 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 type="checkbox"/>	Data Sharing – Write Property-A	DS-WP-A
<input checked="" type="checkbox"/>	Data Sharing – Write Property-B	DS-WP-B
<input type="checkbox"/>	Data Sharing – Write Property Multiple-A	DS-WPM-A
<input checked="" type="checkbox"/>	Data Sharing – Write Property Multiple-B	DS-WPM-B
<input type="checkbox"/>	Data Sharing – Change of Value -A	DS-COV-A
<input checked="" type="checkbox"/>	Data Sharing – Change of Value -B	DS-COV-B
<input type="checkbox"/>	Data Sharing – Change of Value Property -A	DS-COVP-A
<input checked="" 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 type="checkbox"/>	Data Sharing – View-A	DS-V-A
<input type="checkbox"/>	Data Sharing – Advanced View-A	DS-AV-A
<input type="checkbox"/>	Data Sharing – Modify-A	DS-M-A
<input type="checkbox"/>	Data Sharing – Advanced Modify-A	DS-AM-A

Alarm and event management

<input type="checkbox"/>	Alarm and Event – Notification-A	AE-N-A
<input checked="" 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 type="checkbox"/>	Alarm and Event – ACK-A	AE-ACK-A
<input checked="" type="checkbox"/>	Alarm and Event – ACK-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 checked="" type="checkbox"/>	Alarm and Event – Information-B	AE-INFO-B
<input type="checkbox"/>	Alarm and Event – Life Safety-A	AE-LS-A
<input type="checkbox"/>	Alarm and Event – Life Safety-B	AE-LS-B
<input type="checkbox"/>	Alarm and Event – View Notifications-A	AE-VN-A
<input type="checkbox"/>	Alarm and Event – Advanced View Notifications-A	AE-AVN-A
<input type="checkbox"/>	Alarm and Event – View and Modify-A	AE-VM-A
<input type="checkbox"/>	Alarm and Event – Advanced View and Modify-A	AE-AVM-A
<input type="checkbox"/>	Alarm and Event – Alarm Summary View-A	AE-AS-A
<input type="checkbox"/>	Alarm and Event – Event Log View-A	AE-ELV-A
<input type="checkbox"/>	Alarm and Event – Event Log View and Modify-A	AE-ELVM-A
<input checked="" 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

Historical/Deprecated BIBBs**Alarm and event management**

<input type="checkbox"/>	Alarm and Event – Alarm Summary-A	AE-ASUM-A
<input type="checkbox"/>	Alarm and Event – Enrollment Summary-A	AE-ESUM-A
<input 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 – Advanced View Modify-A	SCHED-AVM-A
<input type="checkbox"/>	Scheduling – View Modify-A	SCHED-VM-A
<input 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 – Readable-B	SCHED-R-B

Historical/Deprecated BIBBs

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

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

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 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 type="checkbox"/>	Device Management – Device Communication Control-A	DM-DCC-A
<input checked="" type="checkbox"/>	Device Management – Device Communication Control-B	DM-DCC-B
<input type="checkbox"/>	Device Management – Private Transfer-A	DM-PT-A
<input type="checkbox"/>	Device Management – Private Transfer-B	DM-PT-B
<input type="checkbox"/>	Device Management – Text Message-A	DM-TM-A
<input type="checkbox"/>	Device Management – Text Message-B	DM-TM-B
<input type="checkbox"/>	Device Management – Time Synchronization-A	DM-TS-A

Device management

<input checked="" type="checkbox"/>	Device Management – Time Synchronization-B	DM-TS-B
<input type="checkbox"/>	Device Management – UTC Time Synchronization-A	DM-UTC-A
<input checked="" type="checkbox"/>	Device Management – UTC Time Synchronization-B	DM-UTC-B
<input type="checkbox"/>	Device Management – Reinitialize Device-A	DM-RD-A
<input checked="" type="checkbox"/>	Device Management – Reinitialize Device-B	DM-RD-B
<input type="checkbox"/>	Device Management – Backup and Restore-A	DM-BR-A
<input checked="" type="checkbox"/>	Device Management – Backup and Restore-B	DM-BR-B
<input type="checkbox"/>	Device Management – Restart-A	DM-R-A
<input checked="" type="checkbox"/>	Device Management – Restart-B	DM-R-B
<input type="checkbox"/>	Device Management – List Manipulation-A	DM-LM-A
<input checked="" type="checkbox"/>	Device Management – List Manipulation-B	DM-LM-B
<input 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 type="checkbox"/>	Device Management – Automatic Network Mapping-A	DM-ANM-A
<input type="checkbox"/>	Device Management – Automatic Device Mapping-A	DM-ADM-A
<input type="checkbox"/>	Device Management – Automatic Time Synchronization-A	DM-ATS-A
<input type="checkbox"/>	Device Management – Manual Time Synchronization-A	DM-MTS-A

Network management

<input 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

1.5 Standard object types supported

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"/>
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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Command	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Enrollment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
File	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Averaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-State Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Life-Safety-Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accumulator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pulse-Converter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Event Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Global Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend Log Multiple	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structured-View	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(unassigned)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Characterstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Date Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Datetime Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Octetstring Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Positive Integer Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Pattern Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Analog Input

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	
Present_Value	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Units	<input checked="" type="checkbox"/>	R	
Min_Pres_Value	<input checked="" type="checkbox"/>	R	
Max_Pres_Value	<input checked="" type="checkbox"/>	R	
Resolution	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

Analog Output

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	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	R	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Units	<input checked="" type="checkbox"/>	R	
Min_Pres_Value	<input checked="" type="checkbox"/>	R	
Max_Pres_Value	<input checked="" type="checkbox"/>	R	
Resolution	<input checked="" type="checkbox"/>	R	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
COV_Increment	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

Analog Value

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	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Units	<input checked="" type="checkbox"/>	R	
Priority_Array	<input checked="" type="checkbox"/>	R	
Relinquish_Default	<input checked="" type="checkbox"/>	W	
COV_Increment	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

Binary Input

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	
Present_Value	<input checked="" type="checkbox"/>	R	
Description	<input checked="" type="checkbox"/>	R	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Polarity	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	R	
Active_Text	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

Binary Output

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	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	R	
Device_Type	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Polarity	<input checked="" type="checkbox"/>	W	
Inactive_Text	<input checked="" type="checkbox"/>	R	
Active_Text	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

Binary Value

Properties	supported	Readable/Writable	Range restrictions
Object_Identifier	<input type="checkbox"/>	R	
Object_Name	<input type="checkbox"/>	R	
Object_Type	<input type="checkbox"/>	R	
Present_Value	<input type="checkbox"/>	W	
Description	<input type="checkbox"/>	R	
Status_Flags	<input type="checkbox"/>	R	
Event_State	<input type="checkbox"/>	R	
Reliability	<input type="checkbox"/>	R	
Out_Of_Service	<input type="checkbox"/>	W	
Inactive_Text	<input type="checkbox"/>	R	
Active_Text	<input type="checkbox"/>	R	
Profile_Name	<input type="checkbox"/>	R	

Calendar

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input type="checkbox"/>	R	
Object_Name	<input type="checkbox"/>	R	
Object_Type	<input type="checkbox"/>	R	
Description	<input type="checkbox"/>	R	
Present_Value	<input type="checkbox"/>	R	
Date_List	<input type="checkbox"/>	W	
Profile_Name	<input type="checkbox"/>	R	

Command

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input type="checkbox"/>	R	
Object_Name	<input type="checkbox"/>	R	
Object_Type	<input type="checkbox"/>	R	
Description	<input type="checkbox"/>	R	
Present_Value	<input type="checkbox"/>	W	
In_Process	<input type="checkbox"/>	R	
All_Writes_Successful	<input type="checkbox"/>	R	
Action	<input type="checkbox"/>	R	
Action_Text	<input type="checkbox"/>	R	
Profile_Name	<input type="checkbox"/>	R	

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 checked="" 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 checked="" type="checkbox"/>	R	
Local_Date	<input checked="" type="checkbox"/>	R	
UTC_Offset	<input checked="" type="checkbox"/>	W	
Daylight_Savings_Status	<input checked="" 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 checked="" type="checkbox"/>	R	
Last_Restore_Time	<input checked="" type="checkbox"/>	R	
Backup_Failure_Timeout	<input checked="" type="checkbox"/>	W	
Backup_Preparation_Time	<input checked="" type="checkbox"/>	R	
Restore_Preparation_Time	<input checked="" type="checkbox"/>	R	
Restore_Completion_Time	<input checked="" type="checkbox"/>	R	

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

Event Enrollment

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	
Description	<input checked="" type="checkbox"/>	R	
Event_Type	<input checked="" type="checkbox"/>	R	
Notify_Type	<input checked="" type="checkbox"/>	W	
Event_Parameters	<input checked="" type="checkbox"/>	W	
Object_Property_Reference	<input checked="" type="checkbox"/>	W	
Event_State	<input checked="" type="checkbox"/>	R	
Event_Enable	<input checked="" type="checkbox"/>	W	
Acked_Transitions	<input checked="" type="checkbox"/>	R	
Notification_Class	<input checked="" type="checkbox"/>	W	
Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

File

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	
Description	<input checked="" type="checkbox"/>	R	
File_Type	<input checked="" type="checkbox"/>	R	
File_Size	<input checked="" type="checkbox"/>	R	
Modification_Date	<input checked="" type="checkbox"/>	R	

Properties	supported	Readable/ Writable	Range restrictions
Archive	<input checked="" type="checkbox"/>	W	
Read_Only	<input checked="" type="checkbox"/>	R	
File_Access_Method	<input checked="" type="checkbox"/>	R	
Record_Count	<input type="checkbox"/>		
Profile_Name	<input checked="" type="checkbox"/>	R	

Loop

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input type="checkbox"/>	R	
Object_Name	<input type="checkbox"/>	R	
Object_Type	<input type="checkbox"/>	R	
Present_Value	<input type="checkbox"/>	W	
Description	<input type="checkbox"/>	R	
Status_Flags	<input type="checkbox"/>	R	
Event_State	<input type="checkbox"/>	R	
Reliability	<input type="checkbox"/>	R	
Out_Of_Service	<input type="checkbox"/>	W	
Update_Interval	<input type="checkbox"/>	R	
Output_Units	<input type="checkbox"/>	R	
Manipulated_Variable_Reference	<input type="checkbox"/>	R	
Controlled_Variable_Reference	<input type="checkbox"/>	R	
Controlled_Variable_Value	<input type="checkbox"/>	R	
Controlled_Variable_Units	<input type="checkbox"/>	R	
Setpoint_Reference	<input type="checkbox"/>	R	
Setpoint	<input type="checkbox"/>	W	
Action	<input type="checkbox"/>	W	
Proportional_Constant	<input type="checkbox"/>	W	
Proportional_Constant_Units	<input type="checkbox"/>	R	
Integral_Constant	<input type="checkbox"/>	W	
Integral_Constant_Units	<input type="checkbox"/>	R	
Derivative_Constant	<input type="checkbox"/>	W	
Derivative_Constant_Units	<input type="checkbox"/>	R	
Bias	<input type="checkbox"/>	W	
Maximum_Output	<input type="checkbox"/>	W	
Minimum_Output	<input type="checkbox"/>	W	
Priority_For_Writing	<input type="checkbox"/>	R	
COV_Increment	<input type="checkbox"/>	W	
Time_Delay	<input type="checkbox"/>	W	
Notification_Class	<input type="checkbox"/>	W	
Error_Limit	<input type="checkbox"/>	W	
Deadband	<input type="checkbox"/>	W	
Event_Enable	<input type="checkbox"/>	W	
Acked_Transitions	<input type="checkbox"/>	R	
Notify_Type	<input type="checkbox"/>	W	
Event_Time_Stamps	<input type="checkbox"/>	R	
Profile_Name	<input type="checkbox"/>	R	

Multistate Input

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input type="checkbox"/>	R	
Object_Name	<input type="checkbox"/>	R	
Object_Type	<input type="checkbox"/>	R	
Present_Value	<input type="checkbox"/>	R	
Description	<input type="checkbox"/>	R	
Device_Type	<input type="checkbox"/>	R	
Status_Flags	<input type="checkbox"/>	R	
Event_State	<input type="checkbox"/>	R	
Reliability	<input type="checkbox"/>	R	
Out_Of_Service	<input type="checkbox"/>	W	
Number_Of_States	<input type="checkbox"/>	R	
State_Text	<input type="checkbox"/>	R	
Time_Delay	<input type="checkbox"/>	W	
Notification_Class	<input type="checkbox"/>	W	
Alarm_Values	<input type="checkbox"/>	W	
Fault_Values	<input type="checkbox"/>	R	
Event_Enable	<input type="checkbox"/>	W	
Acked_Transitions	<input type="checkbox"/>	R	
Notify_Type	<input type="checkbox"/>	W	
Event_Time_Stamps	<input type="checkbox"/>	R	
Profile_Name	<input type="checkbox"/>	R	

Multistate Output

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input type="checkbox"/>	R	
Object_Name	<input type="checkbox"/>	R	
Object_Type	<input type="checkbox"/>	R	
Present_Value	<input type="checkbox"/>	W	
Description	<input type="checkbox"/>	R	
Device_Type	<input type="checkbox"/>	R	
Status_Flags	<input type="checkbox"/>	R	
Event_State	<input type="checkbox"/>	R	
Reliability	<input type="checkbox"/>	R	
Out_Of_Service	<input type="checkbox"/>	W	
Number_Of_States	<input type="checkbox"/>	R	
State_Text	<input type="checkbox"/>	R	
Priority_Array	<input type="checkbox"/>	R	
Relinquish_Default	<input type="checkbox"/>	W	
Time_Delay	<input type="checkbox"/>	W	
Notification_Class	<input type="checkbox"/>	W	
Feedback_Value	<input type="checkbox"/>	R	
Event_Enable	<input type="checkbox"/>	W	
Acked_Transitions	<input type="checkbox"/>	R	
Notify_Type	<input type="checkbox"/>	W	
Event_Time_Stamps	<input type="checkbox"/>	R	
Profile_Name	<input type="checkbox"/>	R	

Multistate Value

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	
Present_Value	<input checked="" type="checkbox"/>	W	
Description	<input checked="" type="checkbox"/>	R	
Status_Flags	<input checked="" type="checkbox"/>	R	
Event_State	<input checked="" type="checkbox"/>	R	
Reliability	<input checked="" type="checkbox"/>	R	
Out_Of_Service	<input checked="" type="checkbox"/>	W	
Number_Of_States	<input checked="" type="checkbox"/>	R	
State_Text	<input checked="" type="checkbox"/>	R	
Priority_Array	<input type="checkbox"/>	R	
Relinquish_Default	<input type="checkbox"/>	W	
Time_Delay	<input type="checkbox"/>	W	
Notification_Class	<input type="checkbox"/>	W	
Alarm_Values	<input type="checkbox"/>	W	
Fault_Values	<input type="checkbox"/>	R	
Event_Enable	<input type="checkbox"/>	W	
Acked_Transitions	<input type="checkbox"/>	R	
Notify_Type	<input type="checkbox"/>	W	
Event_Time_Stamps	<input type="checkbox"/>	R	
Profile_Name	<input type="checkbox"/>	R	

Notification Class

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	
Description	<input checked="" type="checkbox"/>	R	
Notification_Class	<input checked="" type="checkbox"/>	R	
Priority	<input checked="" type="checkbox"/>	W	
Ack_Required	<input checked="" type="checkbox"/>	R	
Recipient_List	<input checked="" type="checkbox"/>	W	
Profile_Name	<input checked="" type="checkbox"/>	R	

Schedule	Properties	supported	Readable/ Writable	Range restrictions
	Object_Identifier	<input type="checkbox"/>	R	
	Object_Name	<input type="checkbox"/>	R	
	Object_Type	<input type="checkbox"/>	R	
	Present_Value	<input type="checkbox"/>	R	
	Description	<input type="checkbox"/>	R	
	Effective_Period	<input type="checkbox"/>	W	
	Weekly_Schedule	<input type="checkbox"/>	W	
	Exception_Schedule	<input type="checkbox"/>	W	
	Schedule_Default	<input type="checkbox"/>	W	
	List_Of_Object_Property_References	<input type="checkbox"/>	W	
	Priority_For_Writing	<input type="checkbox"/>	W	
	Status_Flags	<input type="checkbox"/>	R	
	Reliability	<input type="checkbox"/>	R	
	Out_Of_Service	<input type="checkbox"/>	W	
	Profile_Name	<input type="checkbox"/>	R	

Program

Properties	Supporte d	Readabl e/ Writabl e	Range restrictions
Object_Identifier	<input type="checkbox"/>	R	
Object_Name	<input type="checkbox"/>	R	
Object_Type	<input type="checkbox"/>	R	
Program_State	<input type="checkbox"/>	R	
Program_Change	<input type="checkbox"/>	W	
Reason_For_Halt	<input type="checkbox"/>	R	
Description_Of_Halt	<input type="checkbox"/>	R	
Program_Location	<input type="checkbox"/>	R	
Description	<input type="checkbox"/>	R	
Instance_Of	<input type="checkbox"/>	R	
Status_Flags	<input type="checkbox"/>	R	
Reliability	<input type="checkbox"/>	R	
Out_Of_Service	<input type="checkbox"/>	R	
Profile_Name	<input type="checkbox"/>	R	

Trend Log

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input type="checkbox"/>	R	
Object_Name	<input type="checkbox"/>	R	
Object_Type	<input type="checkbox"/>	R	
Description	<input type="checkbox"/>	R	
Enable	<input type="checkbox"/>	W	
Start_Time	<input type="checkbox"/>	W	
Stop_Time	<input type="checkbox"/>	W	
Log_DeviceObjectProperty	<input type="checkbox"/>	W	
Log_Interval	<input type="checkbox"/>	W	
COV_Resubscription_Interval	<input type="checkbox"/>	W	
Client_COV_Increment	<input type="checkbox"/>	W	
Stop_When_Full	<input type="checkbox"/>	W	
Buffer_Size	<input type="checkbox"/>	W	
Log_Buffer	<input type="checkbox"/>	R	
Record_Count	<input type="checkbox"/>	W	
Total_Record_Count	<input type="checkbox"/>	R	
Notification_Threshold	<input type="checkbox"/>	W	
Records_Since_Notification	<input type="checkbox"/>	R	
Last_Notify_Record	<input type="checkbox"/>	R	
Event_State	<input type="checkbox"/>	R	
Notification_Class	<input type="checkbox"/>	W	
Event_Enable	<input type="checkbox"/>	W	
Acked_Transitions	<input type="checkbox"/>	R	
Notify_Type	<input type="checkbox"/>	W	
Event_Time_Stamps	<input type="checkbox"/>	R	
Profile_Name	<input type="checkbox"/>	R	
Logging_Type	<input type="checkbox"/>	W	
Align_Intervals	<input type="checkbox"/>	W	
Interval_Offset	<input type="checkbox"/>	W	
Trigger	<input type="checkbox"/>	W	
Status_Flags	<input type="checkbox"/>	R	
Reliability	<input type="checkbox"/>	R	

Accumulator	Properties	supported	Readable/ Writable	Range restrictions
	Object_Identifier	<input type="checkbox"/>	R	
	Object_Name	<input type="checkbox"/>	R	
	Object_Type	<input type="checkbox"/>	R	
	Present_Value	<input type="checkbox"/>	R	
	Description	<input type="checkbox"/>	R	
	Device_Type	<input type="checkbox"/>	R	
	Status_Flags	<input type="checkbox"/>	R	
	Event_State	<input type="checkbox"/>	R	
	Reliability	<input type="checkbox"/>	R	
	Out_Of_Service	<input type="checkbox"/>	W	
	Scale	<input type="checkbox"/>	R	
	Units	<input type="checkbox"/>	R	
	Prescale	<input type="checkbox"/>	R	
	Max_Pres_Value	<input type="checkbox"/>	R	
	Value_Change_Time	<input type="checkbox"/>	R	
	Value_Before_Change	<input type="checkbox"/>	R	
	Value_Set	<input type="checkbox"/>	W	
	Logging_Record	<input type="checkbox"/>	R	
	Logging_Object	<input type="checkbox"/>	R	
	Pulse_Rate	<input type="checkbox"/>	R	
	High_Limit	<input type="checkbox"/>	W	
	Low_Limit	<input type="checkbox"/>	W	
	Limit_Monitoring_Interval	<input type="checkbox"/>	W	
	Notification_Class	<input type="checkbox"/>	W	
	Time_Delay	<input type="checkbox"/>	W	
	Limit_Enable	<input type="checkbox"/>	R	
	Event_Enable	<input type="checkbox"/>	W	
	Acked_Transitions	<input type="checkbox"/>	R	
	Notify_Type	<input type="checkbox"/>	W	
	Event_Time_Stamps	<input type="checkbox"/>	R	
	Profile_Name	<input type="checkbox"/>	R	

Pulse-Converter	Properties	supported	Readable/ Writable	Range restrictions
	Object_Identifier	<input type="checkbox"/>	R	
	Object_Name	<input type="checkbox"/>	R	
	Object_Type	<input type="checkbox"/>	R	
	Description	<input type="checkbox"/>	R	
	Present_Value	<input type="checkbox"/>	R	
	Input_Reference	<input type="checkbox"/>	R	
	Status_Flags	<input type="checkbox"/>	R	
	Event_State	<input type="checkbox"/>	R	
	Reliability	<input type="checkbox"/>	R	
	Out_Of_Service	<input type="checkbox"/>	W	
	Units	<input type="checkbox"/>	R	
	Scale_Factor	<input type="checkbox"/>	W	
	Adjust_Value	<input type="checkbox"/>	W	
	Count	<input type="checkbox"/>	R	
	Update_Time	<input type="checkbox"/>	R	
	Count_Change_Time	<input type="checkbox"/>	R	
	Count_Before_Change	<input type="checkbox"/>	R	
	COV_Increment	<input type="checkbox"/>	W	
	COV_Period	<input type="checkbox"/>	W	
	Notification_Class	<input type="checkbox"/>	W	
	Time_Delay	<input type="checkbox"/>	W	
	High_Limit	<input type="checkbox"/>	W	
	Low_Limit	<input type="checkbox"/>	W	
	Deadband	<input type="checkbox"/>	W	
	Limit_Enable	<input type="checkbox"/>	W	
	Event_Enable	<input type="checkbox"/>	W	
	Acked_Transitions	<input type="checkbox"/>	R	
	Notify_Type	<input type="checkbox"/>	W	
	Event_Time_Stamps	<input type="checkbox"/>	R	
	Profile_Name	<input type="checkbox"/>	R	

Event-Log	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	
	Description	<input checked="" type="checkbox"/>	R	
	Status_Flags	<input checked="" type="checkbox"/>	R	
	Event_State	<input checked="" type="checkbox"/>	R	
	Reliability	<input checked="" type="checkbox"/>	R	
	Enable	<input checked="" type="checkbox"/>	W	
	Start_Time	<input checked="" type="checkbox"/>	W	
	Stop_Time	<input checked="" type="checkbox"/>	W	
	Stop_When_Full	<input checked="" type="checkbox"/>	W	
	Buffer_Size	<input checked="" type="checkbox"/>	W	
	Log_Buffer	<input checked="" type="checkbox"/>	R	
	Record_Count	<input checked="" type="checkbox"/>	W	
	Total_Record_Count	<input checked="" type="checkbox"/>	R	
	Notification_Threshold	<input checked="" type="checkbox"/>	W	
	Records_Since_Notification	<input checked="" type="checkbox"/>	R	
	Last_Notify_Record	<input checked="" type="checkbox"/>	R	
	Notification_Class	<input checked="" type="checkbox"/>	W	
	Event_Enable	<input checked="" type="checkbox"/>	W	
	Acked_Transitions	<input checked="" type="checkbox"/>	R	
	Notify_Type	<input checked="" type="checkbox"/>	W	
	Event_Time_Stamps	<input checked="" type="checkbox"/>	R	
	Profile_Name	<input checked="" type="checkbox"/>	R	

Trend Log Multiple

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input type="checkbox"/>	R	
Object_Name	<input type="checkbox"/>	R	
Object_Type	<input type="checkbox"/>	R	
Description	<input type="checkbox"/>	R	
Status_Flags	<input type="checkbox"/>	R	
Event_State	<input type="checkbox"/>	R	
Reliability	<input type="checkbox"/>	R	
Enable	<input type="checkbox"/>	W	
Start_Time	<input type="checkbox"/>	W	
Stop_Time	<input type="checkbox"/>	W	
Log_DeviceObjectProperty	<input type="checkbox"/>	W	
Logging_Type	<input type="checkbox"/>	W	
Log_Interval	<input type="checkbox"/>	W	
Align_Intervals	<input type="checkbox"/>	W	
Interval_Offset	<input type="checkbox"/>	W	
Trigger	<input type="checkbox"/>	W	
Stop_When_Full	<input type="checkbox"/>	W	
Buffer_Size	<input type="checkbox"/>	W	
Log_Buffer	<input type="checkbox"/>	R	
Record_Count	<input type="checkbox"/>	W	
Total_Record_Count	<input type="checkbox"/>	R	
Notification_Threshold	<input type="checkbox"/>	W	
Records_Since_Notification	<input type="checkbox"/>	R	
Last_Notify_Record	<input type="checkbox"/>	R	
Notification_Class	<input type="checkbox"/>	W	
Event_Enable	<input type="checkbox"/>	W	
Acked_Transitions	<input type="checkbox"/>	R	
Notify_Type	<input type="checkbox"/>	W	
Event_Time_Stamps	<input type="checkbox"/>	R	
Profile_Name	<input type="checkbox"/>	R	

Load Control

Properties	supported	Readable/ Writable	Range restrictions
Object_Identifier	<input type="checkbox"/>	R	
Object_Name	<input type="checkbox"/>	R	
Object_Type	<input type="checkbox"/>	R	
Description	<input type="checkbox"/>	R	
Present_Value	<input type="checkbox"/>	R	
State_Description	<input type="checkbox"/>	R	
Status_Flags	<input type="checkbox"/>	R	
Event_State	<input type="checkbox"/>	R	
Reliability	<input type="checkbox"/>	R	
Requested_Shed_Level	<input type="checkbox"/>	W	
Start_Time	<input type="checkbox"/>	W	
Shed_Duration	<input type="checkbox"/>	W	
Duty_Window	<input type="checkbox"/>	W	
Enable	<input type="checkbox"/>	W	
Full_Duty_Baseline	<input type="checkbox"/>	R	
Expected_Shed_Level	<input type="checkbox"/>	R	
Actual_Shed_Level	<input type="checkbox"/>	R	
Shed_Levels	<input type="checkbox"/>	W	
Shed_Levels_Descriptions	<input type="checkbox"/>	W	
Notification_Class	<input type="checkbox"/>	W	
Time_Delay	<input type="checkbox"/>	W	
Event_Enable	<input type="checkbox"/>	W	
Acked_Transitions	<input type="checkbox"/>	R	
Notify_Type	<input type="checkbox"/>	W	
Event_Time_Stamps	<input type="checkbox"/>	R	
Profile_Name	<input type="checkbox"/>	R	

Structured View

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	
Description	<input checked="" type="checkbox"/>	R	
Node_Type	<input checked="" type="checkbox"/>	R	
Node_Subtype	<input checked="" type="checkbox"/>	R	
Subordinate_List	<input checked="" type="checkbox"/>	R	
Subordinate_Annotations	<input checked="" type="checkbox"/>	R	
Profile_Name	<input checked="" type="checkbox"/>	R	

1.6 Segmentation capability

<input checked="" type="checkbox"/>	Able to transmit segmented messages	Max Number Segments	32
<input checked="" type="checkbox"/>	Able to receive segmented messages	Max Number Segments	32

1.7 Data Link Layer options

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

<input type="checkbox"/>	BACnet IP, (Annex J)	
<input type="checkbox"/>	BACnet IP, (Annex J), Foreign Device	
<input type="checkbox"/>	ISO 8802-3, Ethernet (Clause 7)	
<input type="checkbox"/>	ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)	
<input type="checkbox"/>	ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)	
<input checked="" 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"/>	LonTalk, (Clause 11), medium	: TP/FT-10
<input type="checkbox"/>	Other	

1.8 Device address binding

Is static device binding supported?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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1.9 Networking options

<input type="checkbox"/>	Router, Clause 6 (remote management functionality/BACnet PTP)	
<input type="checkbox"/>	Annex H, BACnet Tunnelling Router over IP	
<input type="checkbox"/>	BACnet/IP Broadcast Management Device (BBMD) Number of BDT entries: Number of FDT entries:	
	Does the BBMD support registrations by foreign devices?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

1.10 Character sets supported

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

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