

ANNEX A - PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)

(This annex is part of this Standard and is required for its use.)

BACnet Protocol Implementation Conformance StatementDate: Jun. 09, 2017Vendor Name: M-SystemProduct Name: BACnet MS/TP I/O ControllerProduct Model Number: BA9BM-DAC8Application Software Version: 1.0.6 Firmware Revision: 002 BACnet Protocol Revision: 12**Product Description:**

BACnet Standardized Device Profile (Annex L):

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

List all BACnet Interoperability Building Blocks Supported (Annex K): _

	BIBB Name	Required
Data Sharing	ReadProperty-B (DS-RP-B)	Profile Required for B-ASC
	ReadPropertyMultiple-B (DS-RPM-B)	
	WriteProperty-B (DS-WP-B)	Profile Required for B-ASC
	WritePropertyMultiple-B (DS-WPM-B)	
	COV-B (DS-COV-B)	
Device Management	Dynamic Device Binding-B (DM-DDB-B)	Profile Required for B-ASC
	Dynamic Object Binding-B (DM-DOB-B)	Profile Required for B-ASC
	Device Communication Control-B (DM-DCC-B)	Profile Required for B-ASC
	TimeSynchronization-B (DM-TS-B)	
	UTC TimeSynchronization-B (DM-UTC-B)	

Segmentation Capability:

- Able to transmit segmented messages Window Size _____
 Able to receive segmented messages Window Size _____

Standard Object Types Supported:

Object Type	Dynamically Creatable	Dynamically Deletable
Binary Input	No	No
Binary Output	No	No
Accumulator	No	No
Device	No	No

Binary Input

Supported Property Name	Conformance Code	Writable
Object_Identifier	R	
Object_Name	R	Yes
Object_Type	R	
Present_Value	R	
Description	O	Yes
Device_Type	O	Yes
Status_Flags	R	
Event_State	R	
Reliability	O	
Out_Of_Service	R	Yes
Polarity	R	Yes
Inactive_Text	O	Yes
Active_Text	O	Yes
Change_Of_State_Time	O	
Change_Of_State_Count	O	Yes
Time_Of_State_Count_Reset	O	
Elapsed_Active_Time	O	Yes
Time_Of_Active_Time_Reset	O	

Binary Output

Supported Property Name	Conformance Code	Writable
Object_Identifier	R	
Object_Name	R	Yes
Object_Type	R	
Present_Value	W	Yes
Description	O	Yes
Device_Type	O	Yes
Status_Flags	R	
Event_State	R	
Reliability	O	
Out_Of_Service	R	Yes
Polarity	R	Yes
Inactive_Text	O	Yes
Active_Text	O	Yes
Change_Of_State_Time	O	
Change_Of_State_Count	O	Yes
Time_Of_State_Count_Reset	O	
Elapsed_Active_Time	O	Yes
Time_Of_Active_Time_Reset	O	
Minimum_Off_Time	O	Yes
Minimum_On_Time	O	Yes
Priority_Array	R	
Relinquish_Default	R	Yes

Accumulator

Supported Property Name	Conformance Code	Writable
Object_Identifier	R	
Object_Name	R	Yes
Object_Type	R	
Present_Value	R	
Description	O	Yes
Device_Type	O	Yes
Status_Flags	R	
Event_State	R	
Reliability	O	
Out_Of_Service	R	Yes
Scale	R	Yes
Units	R	Yes
PreScale	O	Yes
Max_Pres_Value	R	Yes
Value_Change_Time	O	
Value_Before_Change	O	
Value_Set	O	Yes

Device

Supported Property Name	Conformance Code	Writable
Object_Identifier	R	
Object_Name	R	Yes
Object_Type	R	
System_Status	R	
Vendor_Name	R	
Vendor_Identifier	R	
Model_Name	R	
Firmware_Revision	R	
Application_Software_Version	R	
Location	O	Yes
Description	O	Yes
Protocol_Version	R	
Protocol_Revision	R	
Protocol_Object_Types_Supported	R	
Protocol_Services_Supported	R	
Object_List	R	
Max_APDU_Length_Accepted	R	
Segmentation_Supported	R	
Local_Time	O	
Local_Date	O	
UTC_Offset	O	Yes
Daylight_Savings_Status	O	
APDU_Timeout	R	Yes
Number_Of_APDU_Retries	R	Yes
Max_Master	O	Yes
Max_Info_Frames	O	Yes
Device_Address_Binding	R	
Database_Revision	R	
Active_COV_Subscription	O	

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s) _____
- MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 76800
- MS/TP slave (Clause 9), baud rate(s): _____
- Point-To-Point, EIA 232 (Clause 10), baud rate(s): _____
- Point-To-Point, modem, (Clause 10), baud rate(s): _____
- LonTalk, (Clause 11), medium: _____
- BACnet/ZigBee (ANNEX O)
- Other: _____

Device Address Binding:

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.) Yes No

Networking Options:

- Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
- Annex H, BACnet Tunneling Router over IP
- BACnet/IP Broadcast Management Device (BBMD)
 - Does the BBMD support registrations by Foreign Devices? Yes No
 - Does the BBMD support network address translation? Yes No

Character Sets Supported:

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

- ISO 10646 (UTF-8) IBM™/Microsoft™ DBCS ISO 8859-1
- ISO 10646 (UCS-2) ISO 10646 (UCS-4) JIS X 0208

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

