

## BACnet Protocol Implementation Conformance Statement

**Vendor Name:** Xylem Inc.  
**Product Name:** Technologic PPS Controller  
  
**Product Model Number:**  
**Applications Software Version:** 1.0 or above  
**Firmware Revision:** FW1.0  
**BACnet Protocol Revision:** 12

### Product Description

The Technologic PPS is a variable speed pumping system for HVAC, industrial process and domestic water booster systems. It operates either as a stand-alone controller or as part of a building-wide integrated system. The BACnet communication interface will provide communication between the Technologic PPS controller and the BACnet system residing on RS-485 or IP media.

### 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)

### List all BACnet Interoperability Building Blocks Supported (Annex K)

DS-RP-B	DM-TS-B	DM-DCC-B
DS-WP-B	DM-DDB-B	DM-DOB-B

### Segmentation Capability

- |  |             |     |
|--|-------------|-----|
| <input type="checkbox"/> Able to transmit segmented messages | Window Size | N/A |
| <input type="checkbox"/> Able to receive segmented messages  | Window Size | N/A |

## Standard Object Types Supported

### Analog input

Dynamically creatable:	No
Dynamically deletable:	No
Optional properties supported:	None
Writable properties:	Present Value (Conditionally writable) Out of Service
Proprietary properties:	None
Property range restrictions:	None

### Analog output

Dynamically creatable:	No
Dynamically deletable:	No
Optional properties supported:	None
Writable properties:	Present Value
Proprietary properties:	None
Property range restrictions:	None

### Binary input

Dynamically creatable:	No
Dynamically deletable:	No
Optional properties supported:	None
Writable properties:	Present Value (Conditionally writable) Out of Service
Proprietary properties:	None
Property range restrictions:	None

### Binary output

Dynamically creatable:	No
Dynamically deletable:	No
Optional properties supported:	None
Writable properties:	Present Value
Proprietary properties:	None
Property range restrictions:	None

**Device**

Dynamically creatable:	No
Dynamically deletable:	No
Optional properties supported:	Local_Date Local_Time Max_Master Max_Info_Frames
Writable properties:	None
Proprietary properties:	None
Property range restrictions:	None

**Data Link Layer Options**

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s) \_\_\_\_\_
- MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 57600, 115200
- MS/TP slave (Clause 9), baud rate(s): 9600, 19200, 38400
- Point-To-Point, EIA 232 (Clause 10), baud rate(s):
- Point-To-Point, modem, (Clause 10), baud rate(s):
- LonTalk, (Clause 11), medium: \_\_\_\_\_
- 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

**Character Sets Supported**

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

- |   |   |                                     |
|---|---|-------------------------------------|
| <input type="checkbox"/> 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 |
| <input checked="" type="checkbox"/> ISO 10646 (UTF-8) |   |                                     |

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