ANNEX A - PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)
(This annex is part of this Standard and is required for its use.)

BACnet Protocol Implementation Conformance Statement

Date: _____08/06/2018_____

Vendor Name: _____Xylem Inc._____

Product Name: _____ecocircXL_____

Product Model Number: ___130140651M_____

Application Software Version: ___654_____ **Firmware Revision:** __12____ **BACnet Protocol Revision:** __12_____

Product Description:
___Commercial wet rotor circulators_____
_____
_____
_____
_____
_____

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): _____
_____DS-RP-B   DS-WP-B   DM-DDB-B   DM-DOB-B_____
_____ _____

Segmentation Capability:

☐ Able to transmit segmented messages   Window Size _____

☐ Able to receive segmented messages   Window Size _____

Standard Object Types Supported:
The following is a list of the standard object types as defined by ASHRAE. The objects checked are currently supported by this product. See the section in this document for the supported object type for details.

☑ Analog Input
☑ Analog Value
☑ Device

Analog Input
    Dynamically Creatable: No
    Dynamically Delectable: No

Property Name	Required	Optional	Writable	Data Type	Range
Object_Identifier	✓				
Object_Name	✓				
Object_Type	✓				
Present_Value	✓				
Description		✓			
Status_Flags	✓				
Event_State	✓				
Reliability		✓			
Out_Of_Service	✓				
Units	✓				

Analog Value
    Dynamically Creatable: No
    Dynamically Delectable: No

Property Name	Required	Optional	Writable	Data Type	Range
Object_Identifier	✓				
Object_Name	✓				
Object_Type	✓				
Present_Value	✓		✓		
Description		✓			
Status_Flags	✓				
Event_State	✓				
Reliability		✓			
Out_Of_Service	✓				
Units	✓				

Device

Dynamically Creatable: No
Dynamically Delectable: No

Property Name	Required	Optional	Writable	Data Type	Range
Object_Identifier	✓		✓		0-4194303
Object_Name	✓				
Object_Type	✓				
System_Status	✓				
Vendor_Name	✓				
Vendor_Identifier	✓				
Model_Name	✓				
Firmware_Revision	✓				
Application_Software_Version	✓				
Description		✓			
Protocol_Version	✓				
Protocol_Revision	✓				
Protocol_Services_Supported	✓				
Protocol_Object_Types_Supported	✓				
Max_Apdu_Lenght_Accepted	✓				
Segmentation_Supported	✓				
Apdu_Timeout	✓				
Number_Of_Apdu_Retries	✓				
Max_Master	✓				
Max_Info_Frames	✓				
Device_Address_Binding	✓				
Database_Revision	✓				

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, 14400, 19200, 38400, 56000, 57600_____
☐ 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

Network Security Options:

☑ Non-secure Device - is capable of operating without BACnet Network Security
☐ Secure Device - is capable of using BACnet Network Security (NS-SD BIBB)

      ☐ Multiple Application-Specific Keys:
      ☐ Supports encryption (NS-ED BIBB)
      ☐ Key Server (NS-KS BIBB)

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:
_____
_____
_____