

**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:** 06-22-2017**Vendor Name:** Bihl+Wiedemann GmbH**Product Name:** AS-i 3.0 BACnet/IP Gateway**Product Model Number:** BWU3356**Application Software Version:** \_\_\_\_\_ **Firmware Revision:** 1.0 \_\_\_\_\_ **BACnet Protocol Revision:** 14

Product Description:

AS-i 3.0 BACnet/IP Gateway

**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-RPM-B; DS-WP-B; DS-WPM-B; DS-COV-B; AE-N-I-B; AE-INFO-B; AE-ACK-B; DM-DDB-A,B; DM-DOB-B; DM-DCC-B

**Segmentation Capability:**

- Able to transmit segmented messages    Window Size   16
- Able to receive segmented messages    Window Size   16

**Standard Object Types Supported:**

An object type is supported if it may be present in the device. For each standard Object Type supported provide the following data:

- 1) Whether objects of this type are dynamically creatable using the CreateObject service
- 2) Whether objects of this type are dynamically deletable using the DeleteObject service
- 3) List of the optional properties supported
- 4) List of all properties that are writable where not otherwise required by this standard
- 5) List of all properties that are conditionally writable where not otherwise required by this standard
- 6) List of proprietary properties and for each its property identifier, datatype, and meaning
- 7) List of any property range restrictions

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Object Type	Supported	Dynamic Object Creation / Deletion	Optional Properties	Properties that are writable where not otherwise required by this standard	Properties conditionally writable where not otherwise required by this standard	Proprietary properties	Range Restrictions
Accumulator	✗	✗ / ✗	-	-	-	-	
Analog Input	✓	✗ / ✗	-	-	-	-	
Analog Output	✓	✗ / ✗	-	-	-	-	
Analog-Value	✗	✗ / ✗	-	-	-	-	
Averaging	✗	✗ / ✗	-	-	-	-	
Binary Input	✓	✗ / ✗	-	-	-	-	
Binary Output	✓	✗ / ✗	-	-	-	-	
Binary Value	✗	✗ / ✗	-	-	-	-	
Calendar	✗	✗ / ✗	-	-	-	-	
Command	✗	✗ / ✗	-	-	-	-	
Device	✓	✗ / ✗	-	-	-	-	
Event Enrollment	✗	✗ / ✗	-	-	-	-	
File	✗	✗ / ✗	-	-	-	-	
Group	✗	✗ / ✗	-	-	-	-	
Life Safety Point	✗	✗ / ✗	-	-	-	-	
Life Safety Zone	✗	✗ / ✗	-	-	-	-	
Loop	✗	✗ / ✗	-	-	-	-	
Multi-State Input	✗	✗ / ✗	-	-	-	-	
Multi-State Output	✗	✗ / ✗	-	-	-	-	
Multi-State Value	✗	✗ / ✗	-	-	-	-	
Notification Class	✓	✗ / ✗	-	-	-	-	
Program	✗	✗ / ✗	-	-	-	-	
Pulse Converter	✗	✗ / ✗	-	-	-	-	
Schedule	✗	✗ / ✗	-	-	-	-	
Trend Log	✗	✗ / ✗	-	-	-	-	
Access Door	✗	✗ / ✗	-	-	-	-	
Event Log	✗	✗ / ✗	-	-	-	-	
Load Control	✗	✗ / ✗	-	-	-	-	

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Structured View	✘	✘ / ✘	-	-	-	-	
Trend Log Multiple	✘	✘ / ✘	-	-	-	-	
Access Point	✘	✘ / ✘	-	-	-	-	
Access Zone	✘	✘ / ✘	-	-	-	-	
Access User	✘	✘ / ✘	-	-	-	-	
Access Rights	✘	✘ / ✘	-	-	-	-	
Access Credential	✘	✘ / ✘	-	-	-	-	
Credential Data Input	✘	✘ / ✘	-	-	-	-	
CharacterString	✘	✘ / ✘	-	-	-	-	
Date Time Value	✘	✘ / ✘	-	-	-	-	
Large Analog Value	✘	✘ / ✘	-	-	-	-	
BitString Value	✓	✘ / ✘	-	-	-	-	
Octet-String Value	✓	✘ / ✘	-	-	-	-	
Time Value	✘	✘ / ✘	-	-	-	-	
Integer Value	✓	✘ / ✘	-	-	-	-	
Positive Integer Value	✘	✘ / ✘	-	-	-	-	
Date Value Object Type	✘	✘ / ✘	-	-	-	-	
Date Time Pattern Value	✘	✘ / ✘	-	-	-	-	
Time Pattern Value	✘	✘ / ✘	-	-	-	-	
Date Pattern Value	✘	✘ / ✘	-	-	-	-	
Network Security	✘	✘ / ✘	-	-	-	-	
Global Group	✘	✘ / ✘	-	-	-	-	
Notification Forwarder	✘	✘ / ✘	-	-	-	-	
Alert Enrollment	✘	✘ / ✘	-	-	-	-	
Channel	✘	✘ / ✘	-	-	-	-	
Lighting Output	✘	✘ / ✘	-	-	-	-	

**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): \_\_\_\_\_
- 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:

- All certified AS-Interface Slaves 3.0 or earlier
- EnOcean

- MP-Bus

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