# BACnet Protocol Implementation Conformance Statement (Annex A)

**Date:** March 15, 2024
**Vendor Name:** ADFweb.com S.r.l.
**Product Name:** BACnet slave / PROFINET - Converter
**Product Model Number:** HD67679-IP-A1, HD67679-MSTP-A1, HD67679-MSTP-B2, HD67679-PTP-A1, HD67679-PTP-B2
**Application Software Version:** 1.0 **Firmware Revision:** 1.0 **BACnet Protocol Revision:** 12

**Product Description:**

Converter between BACnet and PROFINET.

**BACnet Standardized Device Profile (Annex L):**

☐ BACnet Operator Workstation (B-OWS)          ☐ BACnet Advanced Application Controller (B-AAC)

☐ BACnet Advanced Operator Workstation (B-AWS)   ☒ BACnet Application Specific Controller (B-ASC)

☐ BACnet Operator Display (B-OD)               ☐ BACnet Smart Sensor (B-SS)

☐ BACnet Building Controller (B-BC)            ☐ BACnet Smart Actuator (B-SA)

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

DS-RP-B    Data Sharing – ReadProperty – B
DS-WP-B    Data Sharing – WriteProperty –B

**Segmentation Capability:**

☐ Able to transmit segmented messages    Window Size _____

☐ Able to receive segmented messages     Window Size _____

**Standard Object Types Supported:**

| Object Type Supported | Can be created dynamically | Can be deleted dynamically |
|---|---|---|
| Analog Input | No | No |
| Analog Output | No | No |
| Analog Value | No | No |
| Binary Input | No | No |
| Binary Output | No | No |
| Binary Value | No | No |
| Positive Integer Value | No | No |
| Large Analog Value | No | No |
| Integer Value | No | No |
| Multi-State Input | No | No |
| Multi-State Output | No | No |
| Multi-State Value | No | No |
| Life Safety Point | No | No |
| Life Safety Zone | No | No |
| Access Door | No | No |
| Accumulator | No | No |

| Device | No | No |
|---|---|---|

No optional properties are supported. No proprietary properties are present.

Analog Input Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Units |

Analog Output Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Units |

Analog Value Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Units |

Binary Input Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Polarity |

Binary Output Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Polarity |

Binary Value Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Polarity |

Positive Integer Value Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Units |

Large Analog Value Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Units |

Integer Value Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Units |

Multi-State Input Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Number of States |

Multi-State Output Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Number of States |

Multi-State Value Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Number of States |

Life Safety Point Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Tracking_Value |
| Reliability | Mode | Accepted_Modes |
| Silenced | Operation_Expected | |

Life Safety Zone Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Tracking_Value |
| Reliability | Mode | Accepted_Modes |
| Silenced | Operation_Expected | |

Access Door Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Relinquish Default |
| Reliability | Door Pulse Time | Door Extended Pulse Time |
| Door Open Too Long Time | | |

Accumulator Properties

| Object_Identifier | Present_Value | Event_State |
|---|---|---|
| Object_Name | Description | Out_Of_Service |
| Object_Type | Status_Flags | Scale |
| Units | Max_Pres_Value | |

Device Properties

| Object_Identifier | Model_Name | Protocol_Object_Types_Supported |
|---|---|---|
| Object_Name | Firmware_Revision | Object_List |
| Object_Type | Application_Software_Revision | Max_APDU_Length_Accepted |
| System_Status | Protocol_Version | Segmentation_Supported |
| Vendor_Name | Protocol_Revision | |
| Vendor_Identifier | Protocol_Services_Supported | |

**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): 9600, 19200, 38400, 57600, 76800, 115200
☒ Point-To-Point, EIA 232 (Clause 10), baud rate(s): 9600, 115200
☐ 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:**

PROFINET network


**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)