BACnet Protocol Implementation Conformance Statement - Appendix A (Normative)

Date: May 23, 2018
Vendor Name: Building Automation Products, Inc.
Product Name: Food Probe, BAPI-Box, Quantum Slim, Quantum Room, Analog Input Module
Firmware Versions: C2.0.0.2 R1.0.4.0 BACnet Version: 0.8.5 BACnet Protocol Revision: 12

Product Description
Each BAPI 900MHz wireless sensor is exposed on the BACnet network as a virtual BACnet device via the BAPI GTW900 900MHz Gateway when the gateway is configured for hierarchical device layout. The gateway behaves as a router between the BACnet network and the virtual network of wireless sensor devices which represents the 900MHz wireless network.

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):
- Data Sharing-ReadProperty-B (DS-RP-B)
- Data Sharing-ReadPropertyMultiple-B (DS-RPM-B)
- Data Sharing-WriteProperty-B (DS-WP-B)
- Data Sharing-WritePropertyMultiple-B (DS-WPM-B)
- Data Sharing-COV-B (DS-COV-B)
- Device Management-Dynamic Device Binding-B (DM-DDB-B)
- Device Management-Dynamic Object Binding-B (DM-DOB-B)

Segmentation Capability:
- Able to transmit segmented messages  Window Size
- Able to receive segmented messages  Window Size
### Standard Object Types Supported:

<table>
<thead>
<tr>
<th>Object Type</th>
<th>Optional Properties Supported</th>
<th>Writable Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device</td>
<td>Description, Local_Time, Local_Date, UTC_Offset, Daylight_Savings_Status, Active_COV_Subscriptions, Serial_Number</td>
<td></td>
</tr>
<tr>
<td>Analog Input</td>
<td>Reliability, COV_Increment</td>
<td>Present_Value², Out_Of_Service, Reliability², COV_Increment</td>
</tr>
<tr>
<td>Binary Input¹</td>
<td>Reliability, Inactive_Text, Active_Text</td>
<td>Present_Value², Out_Of_Service, Polarity, Reliability²</td>
</tr>
</tbody>
</table>

¹ Object Type supported only on Quantum Slim and Quantum Room models.
² Writable only when Out_Of_Service is TRUE.

### 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 - Routes between BACnet/IP and virtual network of wireless sensor devices according to Annex H.1,2
- 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