

# BACnet Protocol Implementation Conformance Statement

**Date:** February 2, 2016

**Vendor Name:** AFDtek, A division of Fastek International Inc.

**Product Name:** FasBAC for Hotels II

**Product Model Number:** FAS-BAC-001

**Applications Software Version:** 3.1

**Firmware Revision:** N/A

**BACnet Protocol Revision:** Version 1, Revision 4

## Product Description:

FasBAC for Hotels II is a Windows service that provides a communications gateway between the Control Corporation Lodging Link interfaces and BACnet.

FasBAC for Hotels receives occupancy information from the PMS (Property Management System) via the Lodging Link UHLL interface and read and writes the occupancy information as binary values to designated BACnet objects on other BACnet devices on a BACnetIP network.

## 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)

## All BACnet Interoperability Building Blocks Supported (Annex K):

| Application Service                              | Designation |
|--|-------------|
| ■ Data Sharing – ReadProperty - A                | DS-RP-A     |
| ■ Data Sharing – WriteProperty - A               | DS-WP-A     |
| ■ Device Management – Dynamic Device Binding - A | DM-DDB-A    |
| ■ Device Management – Dynamic Object Binding - A | DM-DOB-A    |

## Segmentation Capability:

- Segmented requests supported                      Window Size: 1024
- Segmented responses supported                      Window Size: 1024

## Standard Object Types Supported:

### Analog Input Object

Dynamically Create:  Yes  No  
Dynamically Delete:  Yes  No

Optional Properties: None  
Non-standard writable properties: None  
Proprietary Properties: None  
Property Range Restrictions: None

### Analog Value Object

Dynamically Create:  Yes  No  
Dynamically Delete:  Yes  No

Optional Properties: None  
Non-standard writable properties: None  
Proprietary Properties: None  
Property Range Restrictions: None

### Binary Input Object

Dynamically Create:  Yes  No  
Dynamically Delete:  Yes  No

Optional Properties: None  
Non-standard writable properties: None  
Proprietary Properties: None  
Property Range Restrictions: None

### Binary Value Object

Dynamically Create:  Yes  No  
Dynamically Delete:  Yes  No

Optional Properties: None  
Non-standard writable properties: None  
Proprietary Properties: None  
Property Range Restrictions: None

### Device Object

Dynamically Create:  Yes  No  
Dynamically Delete:  Yes  No

Optional Properties: None  
Non-standard 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): \_\_\_\_\_
- 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: \_\_\_\_\_
- 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.

- ANSI X3.4
- IBM™/Microsoft™ DBCS
- ISO 8859-1
- ISO 10646 (UCS-2)
- ISO 10646 (UCS-4)
- JIS C 6226

**This product is a communication gateway:**

FasBAC for Hotels is a Windows service. It provides a communications gateway between a Comtrol Corporation Lodging Link and a BACnet network. Its main task is to process incoming Lodging Link UHLL messages that deal with occupancy information and write and read corresponding BACnet objects.