

# BACnet Protocol Implementation Conformance Statement

**Date:** September 13, 2010

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

**Product Name:** FAS-BAC for INNCOMM

**Product Model Number:** FAS-BAC-005

**Applications Software Version:** 1.0

**Firmware Revision:** N/A

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

## Product Description:

FASBAC for INNCOMM is a Windows application that provides a communications gateway between the INNCOMM International Inc. INNcontrol system and BACnet/IP.

FASBAC for INNCOMM reads data values from the INNcontrol Room Thermostats and makes them available to a BACnetIP network as BACnet devices and objects. FASBAC for INNCOMM receives written BACnet object data values from a BACnetIP network and writes the values to the corresponding INNcontrol Room Thermostats.

## 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 – Read Property - B	DS-RP-B
■ Data Sharing – Write Property - B	DS-WP-B
■ Device Management – Dynamic Device Binding - B	DM-DDB-B
■ Device Management – Dynamic Object Binding - B	DM-DOB-B

## Segmentation Capability:

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

### Standard Object Types Supported:

#### 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 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

#### Multi-state 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 INNCOMM is a Windows application that provides a communications gateway between an INNCOMM INNcontrol system and BACnet/IP.