

BACnet Protocol Implementation Conformance Statement

Date: September 13, 2010

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

Product Name: FasBAC for Energy

Product Model Number: FAS-BAC-003

Applications Software Version: 1.0

Firmware Revision: N/A

BACnet Protocol Revision: Version 1, Revision 4

Product Description:

FasBAC for Energy is a Windows application that provides a communications gateway between the CARMA Industries Meter Manager and BACnet.

FasBAC for Energy reads data values from the Carma Meter Manager and either writes the values to designated BACnet objects on other devices on a BACnetIP network or makes the values available through internally hosted BACnet devices and objects – the distinction is made when FasBAC for Energy is configured.

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 Energy is a Windows application that provides a communications gateway between the CARMA Industries Meter Manager and BACnet. The Meter Manager system is an electrical energy monitoring and data collection system. The system is a Measurement Canada approved sub-metering system for tenant billing.