

# Class 500 BACNet PIC Statement

**SPECIFICATION DATA**

## BACNET PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

**Date:** May 2009

**Vendor Name:** FieldServer Technologies

**Product Name:** FieldServer

**Product Model Number:** FS-B40, FS-B20 or FS-B30 Series. SlotServer

**Product Description:** This software product will provide bi-directional communication between various RTU, DCS, SCADA and PLC using most common protocols and a BACnet system. The FieldServer can perform protocol conversion (as opposed to routing) between the different BACnet Data Link Layer options. This is arranged by way of static mappings.

**Protocol Conversions:** See FieldServer Technologies list of protocol drivers to determine available protocol conversions

**1.1.1 BACNET STANDARDIZED DEVICE PROFILE (ANNEX L) – [NOTE: FIELDSEVER IS A GATEWAY DEVICE]**

X BACnet Application Specific Controller (B-ASC)

**1.1.2 BACNET INTEROPERABILITY BUILDING BLOCKS SUPPORTED (ANNEX K):**

X K.1.2 BIBB - Data Sharing - ReadProperty-B (DS-RP-B)

X K.5.2 BIBB - Device Management - Dynamic Device Binding-B (DM-DDB-B)

X K.5.3 BIBB - Device Management - Dynamic Device Binding-A (DM-DOB-A)

**1.1.3 SEGMENTATION CAPABILITY: NONE**

**1.1.4 STANDARD OBJECT TYPES SUPPORTED**

X Device Object

X Analog Input

**1.1.5 UNSUPPORTED PROPERTIES AND RESTRICTIONS**

1. Does not support BACnet CreateObject
2. Does not support BACnet DeleteObject
3. Does not support any optional properties
4. No additional writeable properties exist
5. No proprietary properties exist
6. No range restrictions exist
7. Client Driver can only read Present Value property

**1.1.6 DATA LINK LAYER OPTIONS:**

X BACnet IP, (Annex J)

X MS/TP master (Clause 9), baud rate up to 76.8 Kbps

**1.1.7 DEVICE ADDRESS BINDING: NOT SUPPORTED**

**1.1.8 NETWORKING OPTIONS:**

X BACnet/IP Broadcast Management Device (BBMD)

X Registrations by Foreign Devices

**1.1.9 CHARACTER SETS SUPPORTED:**

X ANSI X3.4.

**1.1.10 UNSUPPORTED FUNCTIONS OF THE BACNET DRIVER -BACNET/IP AS A CLIENT:**

- Registering the FieldServer as a foreign device on a remote BBMD
- Configuring a Connection for BBMD operation

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