

## 1 PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

Date:	March 2010
Vendor Name:	FieldServer Technologies
Product Name:	ProtoCessor Family and ProtoNode
Product Model Number:	ASP-485, FFP-485, FFP-ETH ProtoCessor, and ProtoNode external device
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 BACnet Standardized Device Profile (Annex L) – [Note: FieldServer is a Gateway Device]

<input checked="" type="checkbox"/>	BACnet Smart Sensor (B-SS)
<input checked="" type="checkbox"/>	BACnet Smart Actuator (B-SA)
<input checked="" type="checkbox"/>	BACnet Application Specific Controller (B-ASC)

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

<input checked="" type="checkbox"/>	K.1.2 BIBB - Data Sharing - ReadProperty-B (DS-RP-B)	
<input checked="" type="checkbox"/>	K.1.8 BIBB - Data Sharing - WriteProperty-B (DS-WP-B)	
<input checked="" type="checkbox"/>	K.1.9 BIBB - Data Sharing - WritePropertyMultiple-A (DS-WPM-A)	
<input checked="" type="checkbox"/>	K.1.10 BIBB - Data Sharing - WritePropertyMultiple-B (DS-WPM-B)	
<input checked="" type="checkbox"/>	K.1.12 BIBB - Data Sharing - COV-B (DS-COV-B)	Not supported for MSTP
<input checked="" type="checkbox"/>	K.2.2 BIBB - Alarm and Event-Notification Internal-B (AE-N-I-B)	Not supported for MSTP
<input checked="" type="checkbox"/>	K.5.2 BIBB - Device Management - Dynamic Device Binding-B (DM-DDB-B)	

### 1.3 Segmentation Capability:

None

### 1.4 Standard Object Types Supported

<input checked="" type="checkbox"/>	Device Object	<input checked="" type="checkbox"/>	Binary Output
<input checked="" type="checkbox"/>	Analog Input	<input checked="" type="checkbox"/>	Binary Value
<input checked="" type="checkbox"/>	Analog Output	<input checked="" type="checkbox"/>	Multi State Input Output
<input checked="" type="checkbox"/>	Analog Value	<input checked="" type="checkbox"/>	Multi State Output
<input checked="" type="checkbox"/>	Binary Input	<input checked="" type="checkbox"/>	Multi State Value

### 1.5 Unsupported Properties and Restrictions

- Does not support BACnet CreateObject
- Does not support BACnet DeleteObject
- Does not support any optional properties
- No additional writeable properties exist
- No proprietary properties exist
- No range restrictions exist
- As a Client, the FieldServer supports reading the Present Value of multiple sequential objects only.
  - For BACnet MSTP the maximum length that a FieldServer can poll is as follows:
    - Digital Values – 15
    - Analog/Multi-State Values – 12
  - For BACnet IP and BACnet Ethernet the maximum length that a FieldServer can poll is as follows:
    - Digital Values – 114
    - Analog/Multi-State Values – 92

### 1.6 Data Link Layer Options:

<input checked="" type="checkbox"/>	MS/TP master (Clause 9), baud rate up to 76800 bps
<input checked="" type="checkbox"/>	MS/TP slave (Clause 9), baud rate up to 76800 bps
<input checked="" type="checkbox"/>	BACnet IP, (Annex J)

### 1.7 Device Address Binding:

Not supported

### 1.8 Character Sets Supported:

Where support for multiple character sets is indicated, this does not imply that they can all be supported simultaneously.

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