1 BACNET PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

Date | February 2014
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BACnet Vendor Name | Sierra Monitor Corporation
BACnet Vendor ID | 37
Product Name | BAS Router
Product Model Number | FS-Router-BAC and FS-Router-BAC2
Product Description | Device to Route between BACnet/IP, ISO 8802-3 and MS/TP networks
Protocol Conversions | See Sierra Monitor’s list of protocol drivers to determine available protocol conversions
BACnet Protocol Version | Version 1 Revision 12

1.1 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)

1.2 BACnet Interoperability Building Blocks Supported (Annex K)

- DS-RP-B Data Sharing – ReadProperty – B
- DS-WP-B Data Sharing – WriteProperty – B
- NM-RC-B Network Management – Router Configuration – B
- DM-DDB-B Device Management – Dynamic Device Binding – B

1.3 Segmentation Capability
None

1.4 Standard Object Types Supported

<table>
<thead>
<tr>
<th>Object Type Supported</th>
<th>Can Be Created Dynamically</th>
<th>Can Be Deleted Dynamically</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device *</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

* Device object supports the following optional properties: Description, Location, UTC Offset, Active COV Subscriptions, Database Revision.

1.5 Data Link Layer Options

- BACnet IP, (Annex J)
- ISO 8802-3, Ethernet (Clause 7)
- ANSI/ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s)
- MS/TP master (Clause 9), baud rate(s): 9600; 19200; 38400; 76800; 115200
- 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

1.6 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

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1.7 Networking Options

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<table>
<thead>
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<tbody>
<tr>
<td>☑</td>
<td>Router, Clause 6 – routing between BACnet/IP, ISO 8802-3, and MS/TP</td>
</tr>
<tr>
<td>☐</td>
<td>Annex H, BACnet Tunneling Router over IP</td>
</tr>
<tr>
<td>☑</td>
<td>BACnet/IP Broadcast Management Device (BBMD)</td>
</tr>
<tr>
<td></td>
<td>Does the BBMD support registration by Foreign Devices  ☑ Yes ☐ No</td>
</tr>
</tbody>
</table>

1.8 Character Sets Supported

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

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>☑</td>
<td>ANSI X3.4</td>
</tr>
<tr>
<td>☐</td>
<td>ISO 10646 (UCS-2)</td>
</tr>
<tr>
<td>☐</td>
<td>IBM/Microsoft DBCS</td>
</tr>
<tr>
<td>☐</td>
<td>ISO 10646 (UCS-4)</td>
</tr>
<tr>
<td>☐</td>
<td>ISO 8859-1</td>
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<tr>
<td>☐</td>
<td>JIS C 6226</td>
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</tbody>
</table>

1.9 Non-BACnet Equipment/Networks Supported

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports.