Protocol Implementation Conformance Statement (Normative)

BACnet Protocol Implementation Conformance Statement

BAC-5051E
Conquest BACnet Router

Revision A

BACnet Protocol Implementation Conformance Statement
(BACnet Testing Laboratories Version)

Date: 1 December 2016
Vendor Name: KMC Controls
Product Name: Conquest BACnet Router
Product Model Number: BAC-5051E
Applications Software Version: 0.1   **Firmware Revision:** R1.1.0.0
BACnet Protocol Revision: 12

Product Description:
The BAC-5051E is a multi-port BACnet router that routes BACnet traffic between BACnet I/P, Ethernet, and MS/TP networks. IP routing includes PAD, BBMD and Foreign Device registration.

List all BACnet Interoperability Building Blocks supported (Annex K):
  DM-ATS-A, DM-DDB-B, DM-DOB-B, DM-DCC-B, DM-RD-B, DM-BR-B, DM-LM-B,
  DM-PT-A, DM-PT-B, DM-TS-A, DM-TS-B, DM-UTC-A, DM-UTC-B
  DS-RP-B, DS-RPM-B, DS-WP-B, DS-WPM-B, NM-RC-B

Which of the following device binding methods does the product support? (check one or more)

  ☐ Send Who-Is, receive I-Am (BIBB DM-DDB-A)
  ☑ Receive Who-Is, send I-Am (BIBB DM-DDB-B)
  ☐ Send Who-Has, receive I-Have (BIBB DM-DOB-A)
  ☑ Receive Who-Has, send I-Have (BIBB DM-DOB-B)
  ☐ Manual configuration of recipient device's network number and MAC address
  ☐ None of the above

Standard Object Types Supported:

OBJECT	CREATABLE	DELETABLE	OPTIONAL PROPERTIES
Device	No	No	APDU_Segment_Timeout, Backup_Failure_Timeout, Configuration_Files, Daylight_Savings_Status, Description, Last_Restore_Time, Local_Date, Local_Time, Location, Max_Master, Max_Info_Frames, Max_Segments_Accepted, and UTC_Offset
File	No	No	Description,

Data Link Layer Options (check all that are supported):

☑ 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): 9600, 19200, 38400, 76800, 115200
☐ MS/TP slave (Clause 9), baud rate(s): 9600, 19200, 38400, 76800, 115200
☐ Point-To-Point, EIA 232 (Clause 10), baud rate(s): _____
☐ Point-To-Point, modem, (Clause 10), baud rate(s): _____
☐ LonTalk, (Clause 11), medium: _____
☐ Other: _____

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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

Router, Clause: Routing between BACnet I/P, ISO 8802-3, MS/TP

Networking Options (check all that are supported):

☑ Router, Clause 6: Routing between BACnet I/P, ISO 8802-3, MS/TP
☐ Annex H.3, BACnet Tunneling Router over UDP/IP
☑ BACnet/IP Broadcast Management Device (BBMD)
       Does the BBMD support registrations by Foreign Devices?   ☑ Yes ☐ No
       Does the BBMD support network address translation?   ☑ Yes ☐ No

Segmentation Capability (check all that apply):

    ☑ Able to transmit segmented messages   Window Size   7
    ☑ Able to receive segmented messages   Window Size   7

Character Sets Supported (check all that apply):

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 (ICS-4)   ☐ JIS C 6226

If this product is a communication gateway, describe the non-BACnet equipment/network(s) that the gateway supports:

_____
_____
_____

Include any addition information about the product's BACnet capabilities relevant to interoperability: