Protocol Implementation Conformance Statement (Normative)

BACnet Protocol Implementation Conformance Statement

For the BAC-7301C
4 x 4, AHU, Controller

BACnet Protocol Implementation Conformance Statement
(BACnet Testing Laboratories Version)

Date: 4/30/05
Vendor Name: KMC Controls
Product Name: BACnet, 4 x 4, AHU Controller
Product Model Number: BAC-7301C
Applications Software Version: N/A **Firmware Revision:** BAC57 R1.4.0.5
BACnet Protocol Revision: 135-2001 (1)

Product Description:
The BAC-7301C is a programmable direct digital controller that provides precise monitoring and control of connected points. The BAC-7301C provides 4 universal inputs and 3 universal outputs, configurable as analog or binary (digital) and 1 optically isolated triac output. The BAC-7301C includes an internal real-time clock that will continue operating up to 72 hours after power loss.

List <u>all</u> BACnet Interoperability Building Blocks supported (see Annex K in BACnet 2001):
AE-ACK-B, AE-ASUM-B, AE-INFO-B, AE-N-I-B, DM-DCC-B, DM-DDB-A, DM-DDB-B, DM-DOB-B, DM-RD-B, DM-TS-B, DS-RP-A, DS-RP-B, DS-RPM-B, DS-WP-A, DS-WP-B, DS-WPM-B, SCHED-I-B, T-VMT-I-B, T-ATR-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
Analog Input	No	No	Acked_Transitions, Deadband, Description, Device_Type, Event_Enable, Event_Time_Stamp, High_Limit, Limit_Enable, Low_Limit, Notification_Class, Notify_Type and Time_Delay
Analog Output	No	No	Acked_Transitions, Deadband, Description, Device_Type, Event_Enable, Event_Time_Stamp, High_Limit, Limit_Enable, Low_Limit, Notification_Class, Notify_Type and Time_Delay
Analog value	No	No	Acked_Transitions, Deadband, Description, Event_Enable, Event_Time_Stamp, High_Limit, Limit_Enable, Low_Limit, Notification_Class, Notify_Type, Priority_Array, Relinquish_Default, and Time_Delay
Binary Input	No	No	Acked_Transitions, Active_Text, Alarm_Value, Description, Device_Type, Event_Enable, Event_Time_Stamp, Inactive_Text, Notification_Class, Notify_Type and Time_Delay
Binary Output	No	No	Acked_Transitions, Active_Text, Description, Device_Type, Event_Enable, Event_Time_Stamp, Feedback_Value, Inactive_Text, Notification_Class, Notify_Type and Time_Delay
Binary Value	No	No	Acked_Transitions, Active_Text, Alarm_Value, Description, Event_Enable, Event_Time_Stamp, Inactive_Text, Notification_Class, Notify_Type, Priority_Array, Relinquish Default, and Time_Delay
Calendar	No	No	Description
Device	No	No	Description, Local_Date, Local_Time, Location Max_Master, Max_Info_Frames
File	No	No	Description
Loop	No	No	Acked_Transitions, Bias, Derivative_Constant, Derivative_Constant_Units, Description, Error_Limit, Event_Enable, Event_Time_Stamps, Integral_Constant, Integral_Constant_Units, Notification_Class, Notify_Type, Proportional_Constant, Proportional_Constant_Units, and Time_Delay
Notification	No	No	Description
Program	No	No	Description, Description_Of_Halt, Program_Location, Reason_For_Halt
Schedule	No	No	Description, Exception_Schedule, Weekly_Schedule
Trend	No	No	Acked_Transitions, Description, Event_Enable, Event_Time_Stamps, Last_Notify_Record, Log_DeviceObjectProperty, Log_Interval, Notification_Class, Notification_Threshold, Notify_Type, Records_Since_Notification, Start_Time, and Stop_Time

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

☐ BACnet IP, (Annex J)
    ☐ Able to register as a 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
☐ MS/TP slave (Clause 9), baud rate(s): 9600, 19200, 38400, 76800
☐ Point-To-Point, EIA 232 (Clause 10), baud rate(s): _____
☐ Point-To-Point, modem, (Clause 10), baud rate(s): _____
☐ LonTalk, (Clause 11), medium: _____
☐ Other: _____

Networking Options (check all that are supported):

☐ Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.:
_____
☐ 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

Segmentation Capability (check all that apply):

☐ Able to transmit segmented messages Window Size _____
☐ Able to receive segmented messages Window Size _____

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:

_____
_____
_____
_____
_____
_____