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# PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)

**Model Name**
## BMS-STBN08E

### November 1 2008

**ANNEX A - PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)**

**BACnet Protocol Implementation Conformance Statement**

| Date | November 1, 2008 |
|---|---|
| Vender Name | Toshiba Carrier Corporation |
| Product Name | BACnet Software |
| Product Model Number | BMS-STBN08E |
| Application Software Version | - |
| Firmware Revision | - |
| BACnet Protocol Revision | ANSI/ASHRAE Standard 135-2004 |

**Product Description:**

1. Applicable air conditioner
 1) VRF   System
    - Super Modular Multi System
    - Super Heat Recovery System
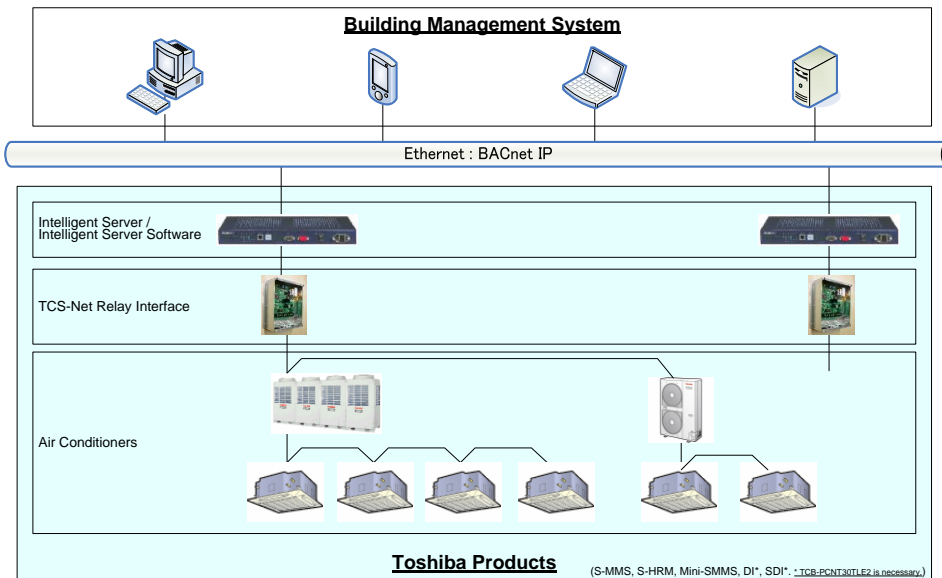    - Mini-SMMS system

 2) Light Commercial model
    - Digital Inverter Series(*)
    - Super Digital Inverter Series(*)

   (*)  - 'Flexi model', 'High wall 0 series' can not applicable.
      - TCB-PCNT30TLE2 is necessary except High wall 2Series.

2. System Configuration
2.1 Sample Control Wiring diagram

2.2 System Configuration and Limits

| Item | Model Name | Specification | Connectable Q'ty |
|---|---|---|---|
| Intelligent Server | BMS-LSV6E | Hardware for BACnet Software | - |
| Intelligent Server Software | BMS-STBN08E | Protocol transformation RS-485 to BACnet IP | One Intelligent Server software per one BACnet Server |
| TCS-Net Relay Interface | BMS-IFLSV3E | Protocol transformation TCC-LINK to RS-485 | Max. 8 units per one BACnet Server Max. 64 indoor units per one Relay I/F |
| Indoor unit | | | Max. 128 units per one BACnet Server |

**BACnet Standardized Device Profile (Annex L):**

☐ **BACnet Operator Workstation (B-OWS)**
☐ **BACnet Building Controller (B-BC)**
☑ **BACnet Advanced Application Controller (B-AAC)**
   (except SCHED-B DM-DCC-B of BIBBs, ANNEX K)
☐ **BACnet Application Specific Controller (B-ASC)**
☐ **BACnet Smart Sensor (B-SS)**
☐ **BACnet Smart Actuator (B-SA)**

**List all BACnet Interoperability Building Blocks Supported (Annex K):**

| Data Sharing | Event & Alarm Management | Scheduling | Trending | Device & Network Management |
|---|---|---|---|---|
| **DS-RP-B** **DS-RPM-B** **DS-WP-B** **DS-WPM-B** **DS-COVU-B** | **AE-N-B** **AE-ACK-B** **AE-INFO-B** | | | **DM-DDB-B** **DM-DOB-B** **DM-TS-B** **DM-RD-B** |

**Segmentation Capability:**

☐ Segmented requests supported          Window Size _____
☐ Segmented responses supported       Window Size _____

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**Standard Object Types Supported:**

| Object-Type | Supported | Dynamically Creatable | Dynamically Deletable |
|---|---|---|---|
| Analog Input | ☑ | ☐ | ☐ |
| Analog Output | ☑ | ☐ | ☐ |
| Analog Value | ☐ | ☐ | ☐ |
| Binary Input | ☑ | ☐ | ☐ |
| Binary Output | ☑ | ☐ | ☐ |
| Binary Value | ☐ | ☐ | ☐ |
| Calendar | ☐ | ☐ | ☐ |
| Command | ☐ | ☐ | ☐ |
| Device | Yes | N/A | N/A |
| Event Enrollment | ☐ | ☐ | ☐ |
| File | ☐ | ☐ | ☐ |
| Group | ☐ | ☐ | ☐ |
| Loop | ☐ | ☐ | ☐ |
| Multi-state Input | ☑ | ☐ | ☐ |
| Multi-state Output | ☑ | ☐ | ☐ |
| Notification Class | ☑ | ☐ | ☐ |
| Program | ☐ | ☐ | ☐ |
| Schedule | ☐ | ☐ | ☐ |

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**Data Link Layer Options:**

☑ 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): _____
☐ 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: _____

**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

**Networking Options:**

☐ Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
☐ Annex H, BACnet Tunneling Router over IP
☐ BACnet/IP Broadcast Management Device  (BBMD)
     Does the BBMD support registrations by Foreign Devices?     ☐ Yes    ☐ No

**Character Sets Supported:**

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 (UCS-4) | ☐ JIS C 6226 |

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