

PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)

Toshiba Carrier Corporation

Model Name
BMS-STBN10E

1 February 2014

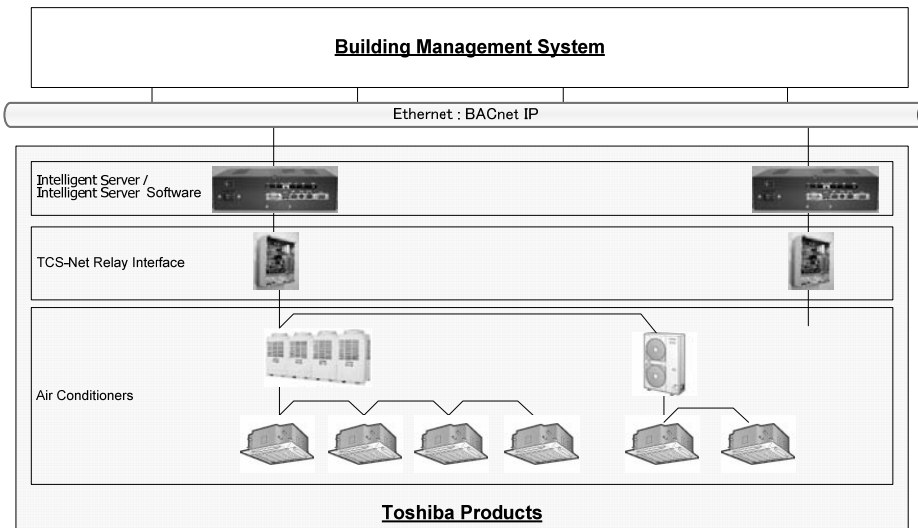
ANNEX A - PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)

BACnet Protocol Implementation Conformance Statement

Date	1 February 2014
Vender Name	Toshiba Carrier Corporation
Product Name	Intelligent Server
Product Model Number	BMS-STBN10E
Application Software Version	-
Firmware Revision	-
BACnet Protocol Revision	ANSI/ASHRAE Standard 135-2008 (Revision 10)

Product Description:

1. Applicable air conditioner
 - 1) VRF System
 - Super Modular Multi System – i, Super Heat Recovery Multi System –i, Mini-SMMS System
 - 2) Light Commercial model
 - Super Digital Inverter Series(*), Digital Inverter Series(*)
 - (*)TCB-PCNT30TLE2 is necessary except High wall Series.
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-LSV9E	Hardware for Intelligent Server Software	-
Intelligent Server Software	BMS-STBN10E	Protocol transformation RS-485 to BACnet IP	One Intelligent Server software per one Intelligent Server
TCS-Net Relay Interface	BMS-IFLSV4E	Protocol transformation TCC-LINK to RS-485	Max. 8 units per one Intelligent Server Max. 64 indoor units per one Relay I/F
Indoor unit			Max. 128 units per one Intelligent Server System

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)

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	AE-N-I-B AE-INFO-B			DM-DDB-A DM-DDB-B DM-DOB-B DM-DCC-B DM-TS-B

Segmentation Capability:

- Segmented requests supported
 - Segmented responses supported
- Window Size _____
Window Size 4

Standard Object Types Supported:

Object-Type	Supported	Dynamically Creatable	Dynamically Deletable
Accumulator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analog Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Binary Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calendar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Command	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device	Yes	N/A	N/A
Event Enrollment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
File	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-state Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-state Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notification Class	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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:

Not applicable
