PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)

Toshiba Carrier Corporation

Model Name
BMS-IFBN640TLE、BMS-IFBN640TLUL

January 15, 2016

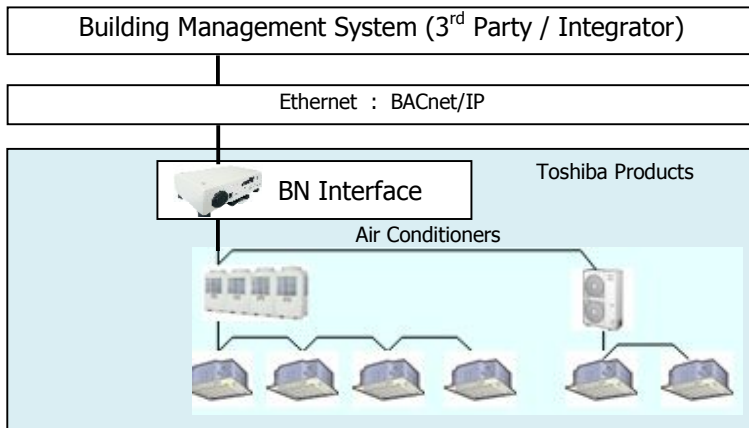**ANNEX A - PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)**

BACnet Protocol Implementation Conformance Statement

Date	January 15, 2016
Vender Name	Toshiba Carrier Corporation
Product Name	BN Interface
Product Model Number	BMS-IFBN640TLE, BMS-IFBN640TLUL
Application Software Version	3.00.08
Firmware Revision	3.00.03
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,
     - Super Modular Multi System-e,
     - 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
BN Interface	BMS-IFBN640TLE BMS-IFBN640TLUL	Protocol transformation TCC-LINK to BACnet IP	-
Indoor unit	-	-	Max. 64 units/groups per one BN Interface 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 DS-COVU-B	**AE-N-I-B AE-INFO-B**			**DM-DDB-A DM-DDB-B DM-DOB-B DM-DCC-B DM-TS-B DM-R-B**

Segmentation Capability:

☐ Segmented requests supported   Window Size _____
☑ Segmented responses supported   Window Size ___4_____

Standard Object Types Supported:

Object-Type	Supported	Dynamically Creatable	Dynamically Deletable
Accumulator	☐	☐	☐
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	☐	☐	☐

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.

☑ ISO 10646 (UTF-8)   ☐ IBM™/Microsoft™ DBCS   ☐ ISO 8859-1
☐ ISO 10646 (UCS-2)   ☐ ISO 10646 (UCS-4)   ☐ JIS X 0208

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports:
  Not applicable _____
_____
_____