BACnet Protocol Implementation Conformance Statement

Date: 3/1/2020

Vendor Name: Yaskawa **Product Name:** VFD Bypass

Product Model Number: HV600 Bypass

Application Software Version: VST8004xx Firmware Revision: 2.01 BACnet Protocol Revision: 14

Product Description:

The Yaskawa VFD Bypass is a high performance product specifically designed for commercial building automation applications. The Yaskawa BACnet feature connects the VFD Bypass to a standard BACnet MS/TP network. These products may be fully controlled and monitored over BACnet. All Bypass and drive parameters are available for reading and writing.

BACnet Standardized Device Profile (Annex L):

☐ BACnet Cross-Domain Advanced Operator Workstation (B-XAWS
☐ BACnet Advanced Operator Workstation (B-AWS)
☐ BACnet Operator Workstation (B-OWS)
☐ BACnet Operator Display (B-OD)
☐ BACnet Advanced Life Safety Workstation (B-ALSWS)
☐ BACnet Life Safety Workstation (B-LSWS)
☐ BACnet Life Safety Annunciator Panel (B-LSAP)
☐ BACnet Advanced Access Control Workstation (B-AACWS)
☐ BACnet Access Control Workstation (B-ACWS)
☐ BACnet Access Control Security Display (B-ACSD)
☐ BACnet Building Controller (B-BC)
☐ BACnet Advanced Application Controller (B-AAC)
■ BACnet Application Specific Controller (B-ASC)
☐ BACnet Smart Actuator (B-SA)
☐ BACnet Smart Sensor (B-SS)
☐ BACnet Advanced Life Safety Controller (B-ALSC)
☐ BACnet Life Safety Controller (B-LSC)
☐ BACnet Advanced Access Control Controller (B-AACC)
☐ BACnet Access Control Controller (B-ACC)
☐ BACnet Router (B-RTR)
☐ BACnet Gateway (B-GW)
☐ BACnet Broadcast Management Device (B-BBMD)
☐ BACnet Access Control Door Controller (B-ACDC)
☐ BACnet Access Control Credential Reader (B-ACCR)
☐ BACnet General (B-GENERAL)

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

- Data Sharing-ReadProperty-B (DS-RP-B)
- Data Sharing-WriteProperty-B (DS-WP-B)
- Data Sharing-ReadPropertyMultiple-B (DS-RPM-B)
- Data Sharing-WritePropertyMultiple-B (DS-WPM-B)
- Data Sharing-Change Of Value-B (DS-COV-B)
- Data Sharing-Change Of Value Property-B (DS-COVP-B)
- Device Management-Dynamic Device Binding-B (DM-DDB-B)
- Device Management-Dynamic Object Binding-B (DM-DOB-B)
- Device Management-DeviceCommunicationControl-B (DM-DCC-B)
- Device Management-ReinitializeDevice-B (DM-RD-B)
- Device Management-TimeSynchronization-B (DM-TS-B)

Segmentation Capability:			
☐ Able to transmit segmented mess ☐ Able to receive segmented messa	•		
 Analog Output Object Analog Value Object Optional properties su COV_Increment Optional Writeable: 	pported: – supported on various instances		
Binary Value ObjectData Link Layer Options:			
□ ARCNET (ATA 878.1), 2.5 Mb. □ ARCNET (ATA 878.1), EIA-48: □ BACnet IP, (Annex J) □ BACnet IP, (Annex J), BACnet II □ BACnet IP, (Annex J), Network □ BACnet IPv6, (Annex U) □ BACnet IPv6, (Annex U) □ BACnet IPv6, (Annex U), BACnet II BACnet IPv6, (Annex U), BACnet II BACnet IV6, (Annex U), BACnet II BACnet IV6, (Annex U), BACnet II BACnet IV7 (Clause 7) □ LonTalk, ISO/IEC 14908.1 (Clause II MS/TP master (Clause 9), baud ration II Device Address Binding: Device Address Binding:	Broadcast Management Device (Address Translation (NAT Traviet Broadcast Management Device (ase 11), medium:	BBMD) ersal) ce (BBMD)	aves and certain
Networking Options:			
☐ Router, Clause 6 - List all routing ☐ Annex H, BACnet Tunneling Ro		-Ethernet, Ethernet-MS/TP, etc.	
Character Sets Supported:			
Indicating support for multiple char	acter sets does not imply that th	ey can all be supported simultaneously.	
■ ISO 10646 (UTF-8) □ ISO 10646 (UCS-2)	☐ IBM [™] /Microsoft [™] DBCS ☐ ISO 10646 (UCS-4)	□ ISO 8859-1 □ JIS X 0208	

Gateway Options:

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

• Not supported

If this product is a communication gateway which presents a network of virtual BACnet devices, a separate PICS shall be provided that describes the functionality of the virtual BACnet devices. That PICS shall describe a superset of the functionality of all types of virtual BACnet devices that can be presented by the gateway.

Network Security Options:

Non-secure Device - is capable of operating without BACnet Network Security Secure Device - is capable of using BACnet Network Security (NS-SD BIBB) Multiple Application-Specific Keys Supports encryption (NS-ED BIBB) Key Server (NS-KS BIBB)