BACnet Testing Laboratories
Product Listing

BACnet functionality in each Listed product has been successfully tested at a Recognized BACnet Testing Organization utilizing the industry standard BTL test suite and test policies that were current at the time it was tested. For Listings with multiple products, some products may have less functionality than is indicated by the Listing document. The PICS document provides information on the specific functionality of each product. Note that PICS documents on the BTL Listings site are provided by the manufacturer and are not independently verified by BTL.

Listing Information (BTL-30655-1)

Vendor		Listing Status
Johnson Controls Inc. 507 E. Michigan St Milwaukee, WI 53202 USA		Listed Product
Test Requirements	BACnet Protocol Revision	Date Tested
Requirements as of January 2020	Revision 18	August 2020

Product Name	Model Numbers	Firmware version
Network Automation Engine	MS-NAE8500	11.0.0.3285

Device Profiles

Profile	Model Numbers
BACnet Building Controller (B-BC)	All models

BIBBs Supported

	ReadProperty-A	DS-RP-A
	ReadProperty-B	DS-RP-B
	ReadPropertyMultiple-A	DS-RPM-A
	ReadPropertyMultiple-B	DS-RPM-B
	WriteProperty-A	DS-WP-A
	WriteProperty-B	DS-WP-B
Data Sharing	WritePropertyMultiple-A	DS-WPM-A
	WritePropertyMultiple-B	DS-WPM-B
	Change Of Value-A	DS-COV-A
	Change Of Value-B	DS-COV-B
	Change Of Value Property-A	DS-COVP-A
	Change Of Value Property-B	DS-COVP-B
	Change Of Value Unsubscribed-A	DS-COVU-A
	Change Of Value Unsubscribed-B	DS-COVU-B

	Notification-A	AE-N-A
	Notification Internal-B	AE-N-I-B
	Notification External-B	AE-N-E-B
	Acknowledge-A	AE-ACK-A
	Acknowledge-B	AE-ACK-B
Alarm and Event Notification	Alarm Summary-A	AE-ASUM-A
	Alarm Summary-B	AE-ASUM-B
	Enrollment Summary-B	AE-ESUM-B
	Information-A	AE-INFO-A
	Information-B	AE-INFO-B
	Alarm Summary View-A	AE-AS-A
	Configurable Recipient Lists-B	AE-CRL-B

	Internal-B	SCHED-I-B
Scheduling	External-B	SCHED-E-B
	Weekly Schedule-A	SCHED-WS-A

	Viewing and Modifying Trends Internal-B	T-VMT-I-B
Trending	Viewing and Modifying Trends External-B	T-VMT-E-B
	Automated Trend Retrieval-B	T-ATR-B
	Viewing and Modifying Multiple Values Internal-B	T-VMMV-I-B

		Dynamic Device Binding-A	DM-DDB-A
		Dynamic Device Binding-B	DM-DDB-B
		Dynamic Object Binding-A	DM-DOB-A
		Dynamic Object Binding-B	DM-DOB-B
		DeviceCommunicationControl-B	DM-DCC-B
		TimeSynchronization-A	DM-TS-A
		TimeSynchronization-B	DM-TS-B
		UTCTimeSynchronization-A	DM-UTC-A
		UTCTimeSynchronization-B	DM-UTC-B
Device Management		ReinitializeDevice-B	DM-RD-B
		Backup and Restore-B	DM-BR-B
		Restart-A	DM-R-A
		Restart-B	DM-R-B
		List Manipulation-A	DM-LM-A
		List Manipulation-B	DM-LM-B
		Object Creation and Deletion-B	DM-OCD-B
		Automatic Time Synchronization-A	DM-ATS-A
		Manual Time Synchronization-A	DM-MTS-A
		BBMD Configuration-B	NM-BBMDC-B

Object Type Support

Accumulator	Analog Input	Analog Output
Analog Value	Averaging	Binary Input
Binary Output	Binary Value	Calendar
Characterstring Value	Command	Device
Event Enrollment	File	Group
Integer Value	Life Safety Point	Life Safety Zone
Load Control	Loop	Multi-State Input
Multi-State Output	Multi-State Value	Network Port
Notification Class	Positive Integer Value	Program
Pulse Converter	Schedule	Trend Log
Trend Log Multiple		

Data Link Layer Options

Media	Options
BACnet/IP (Annex J)	BBMD, Register as Foreign Device

Character Set Support

ISO 10646 (UTF-8)
ISO 10646 (UCS-2)
IBM/Microsoft DBCS