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BACnet Testing Laboratories
Product Listing

This product has been tested at a qualified BACnet Testing Laboratory and found to comply with all the necessary interoperability requirements in place on the published test date. This listing represents the tested capability of the Listed Products. For information on additional functionality that was not covered in the test process, refer to the Manufacturer's PICS statement on the BACnet International website.

Listing Information (BTL-30467)

Vendor		Listing Status
Johnson Controls 507 E. Michigan St Milwaukee, WI 53202 USA		Listed Product
Test Requirements	BACnet Protocol Revision	Date Tested
Requirements as of May 2018	Revision 15	October 2018

Product Name	Model Numbers	Firmware version
Network Automation Engine	MS-NAE8500, MS-NAE85SW-0, MS-NAE85SW-6	10.0.0.8845

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 Internal-B	AE-N-I-B
	Acknowledge-A	AE-ACK-A
	Acknowledge-B	AE-ACK-B
Alarm and Event Notification	Alarm Summary-B	AE-ASUM-B
	Enrollment Summary-B	AE-ESUM-B
	Information-B	AE-INFO-B
	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	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

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	Notification Class
Positive Integer Value	Program	Pulse Converter
Schedule	Trend Log	Trend Log Multiple

Data Link Layer Options

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

Networking Options

Networking Functionality	Media
BBMD	BACnet/IP (Annex J)

Character Set Support

ISO 10646 (UTF-8)
ISO 10646 (UCS-2)
Micrososft Double-Byte Character Set (DBCS)