ANNEX A - PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)

(This annex is part of this standard and is required for its use.)

BACnet Protocol Implementation Conformance Statement

Date: 7/23/2025

Vendor Name: Fellowes

Vendor ID: 1532

Product Name: Array Relay

Product Model Number: Array Relay

Firmware Revision: 1.1.2

BACnet Protocol Revision: 24

Product Description: Array Relay

BACnet Standardized Device Profiles Supported (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 Lighting Workstations (B-ALWS)

☐ BACnet Lighting Operator Display (B-LOD)

☐ 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 Advanced Elevator Workstation (B-AEWS)

☐ BACnet Elevator Workstation (B-EWS)

☐ BACnet Elevator Display (B-ED)

☐ BACnet Advanced Lighting Control Station (B-ALCS)

☐ BACnet Lighting Control Station (B-LCS)

☐ 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 Lighting Supervisor (B-LS)

☐ BACnet Lighting Device (B-LD)

☐ 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 Advanced Elevator Controller (B-AEC)

☐ BACnet Elevator Controller (B-EC)

☐ BACnet Elevator Monitor (B-EM)

☒ **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 Secure Connect Hub (B-SCHUB)

☐ BACnet General (B-GENERAL)

BACnet Interoperability Building Blocks Supported (Annex K):
DS-RP-B, DS-RPM-B, DS-WP-B, DS-WPM-B, DM-DDB-B, DM-DOB-B

Segmentation Capability:

☐ Able to transmit segmented messages Window Size _____

☐ Able to receive segmented messages Window Size _____

Standard Object Types Supported: An Object Type is supported if it may be present in the device.

For each standard Object Type supported provide the following data:

1. Whether objects of this type are dynamically creatable using the CreateObject service

2. Whether objects of this type are dynamically deletable using the DeleteObject service

3. List of the optional properties supported

4. List of all properties that are writable where not otherwise required by this standard

5. List of all properties that are conditionally writable where not otherwise required by this standard

6. List of proprietary properties and for each its property identifier, datatype, and meaning

7. List of any property range restrictions

Object Type	ID	Object Name	Range
Multistate Input	0	Viewpoint Connection	1 = Disconnected, 2 = Connected
Multistate Input	1	Local Network Port	Network port for the physical IPv4 network
Multistate Input	2	Remote Network Port	Network port for the virtual network of Viewpoint devices
CharacterString Value	3	Building	Text string indicating building name or ID
CharacterString Value	4	Floor	Text string indicating floor name or number
CharacterString Value	5	Area	Text string indicating zone or area name

Dynamically Creatable:

No

Dynamically Deletable:

No

BACnet Data Link Layer Options:

☐ ARCNET (ATA 878.1), 2.5 Mb. (Clause 8)

☐ ARCNET (ATA 878.1), EIA-485 (Clause 8), baud rate(s) _____

☒ **BACnet IP, (Annex J)**

☐ BACnet IP, (Annex J), BACnet Broadcast Management Device (BBMD)

☐ BACnet IP, (Annex J), Network Address Translation (NAT Traversal)

☐ BACnet IPv6, (Annex U)

☐ BACnet IPv6, (Annex U), BACnet Broadcast Management Device (BBMD)

☐ BACnet/ZigBee (Annex O) _____

☐ Ethernet, ISO 8802-3 (Clause 7)

☐ LonTalk, ISO/IEC 14908.1 (Clause 11), medium: _____

☐ MS/TP master (Clause 9)

- ☐ Master ☐Slave
- ☐ Non-isolated transceiver ☐ Isolated transceiver
- ☐ Local 47K ohms bias resistors ☐ None ☐ Other: _____
- ☐ Transceiver unit loading: ☐1 ☐½ ☐¼ ☐⅛

Data rates: ☐9600 ☐19200 ☐38400 ☐57600 ☐76800 ☐115200

☐ Point-To-Point, EIA 232 (Clause 10), baud rate(s): _____

☐ Point-To-Point, modem, (Clause 10), baud rate(s): _____

☐ BACnet Secure Connect (Annex AB)

☐ BACnet Secure Connect Node

If direct connections are supported:

Maximum number of simultaneous direct connections initiated:
Maximum number of simultaneous direct connections accepted:

☐ BACnet Secure Connect Hub Function

Maximum number of simultaneous hub connections accepted:

☐ HTTPS Proxy Support

List the types of HTTPS proxies supported:

☐ Additional cipher suites supported beyond those required for TLS V1.3

The additional cipher suites supported using the cipher suite names as of the TLS Cipher Suite Registry at IANA (See RFC 8446):

☐ Additional Transport Layer Security versions other than V1.3 supported
The TLS versions other than V1.3 that are supported, including the supported cipher suites for the version beyond those required, using the cipher suite names as defined by the TLS version supported:

☐ Generates private keys internally, and provides matching certificate signing requests.

☐ DNS host name resolution supported (RFC 1123)

☐ mDNS host name resolution supported (RFC 6762)

☐ 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

Gateway Options:

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports: AC2, AR1, AR2, AR1 UVC, AW1, AS1, AW2, AS2, Array Signal