

# SIEMENS



## **Design Control Point BACnet Protocol Implementation Conformance Statement (PICS) Basic documentation**

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# 1 Desigo Control Point

|                                     |   |
|-------------------------------------|---|
| <b>Date</b>                         | : 06 April 2018   |
| <b>Vendor name</b>                  | : Siemens Building Technologies (Vendor ID 7)   |
| <b>Product name</b>                 | : Desigo Control Point  |
| <b>Product model number</b>         | :<br>PXM-30.E 5" Operator Display<br>PXM-40.E 10" Operator Display<br>PXM-50.E 15" Operator Display<br>PXG3.W100-1 System Controller with 100 Point License<br>PXG3.W200-1 System Controller with 200 Point License |
| <b>BACnet protocol version</b>      | : 1:13  |
| <b>Application software version</b> | : AAS-20:AP=OpMon11_A.1.282;SU=SiUn;<br>APT=OpMon11_A;APTV=1.282;   |
| <b>Firmware revision</b>            | : FW=01.21.35.189;WPC=1.5.25;SVS-300.1:SBC=13.21;   |

## 1.1 Product Description

Desigo Control Point provides web based graphical operation for networked BACnet systems.

## 1.2 BACnet Standardized Device Profile (Annex L)

Devices may claim to be multiple device types. For example, a device may claim to be both a B-BC and the B-RTR. Devices that claim multiple device profiles shall only combine capabilities from different device families, with the exception that multiple profiles may be selected from the Miscellaneous family. For example, a device may claim the B-BC, B-RTR, and BBMD profiles, but a device may not claim both the B-BC and B-SS profiles.

### Operator Interfaces

|                                     |   |          |
|-------------------------------------|---|----------|
| <input type="checkbox"/>            | BACnet Cross-Domain Advanced Operator Workstation | (B-XAWS) |
| <input type="checkbox"/>            | BACnet Advanced Operator Workstation              | (B-AWS)  |
| <input type="checkbox"/>            | BACnet Operator Workstation                       | (B-OWS)  |
| <input checked="" type="checkbox"/> | BACnet Operator Display                           | (B-OD)   |

### Life Safety Operator Interfaces.

|                          |   |           |
|--------------------------|---|-----------|
| <input type="checkbox"/> | BACnet Advanced Life Safety Workstation | (B-ALSWS) |
| <input type="checkbox"/> | BACnet Life Safety Workstation          | (B-LSWS)  |
| <input type="checkbox"/> | BACnet Life Safety Annunciator Panel    | (B-LSAP)  |

### Access Control Operator Interfaces.

|                          |  |           |
|--------------------------|--|-----------|
| <input type="checkbox"/> | BACnet Advanced Access Control Workstation | (B-AACWS) |
| <input type="checkbox"/> | BACnet Access Control Workstation          | (B-ACWS)  |
| <input type="checkbox"/> | BACnet Access Control Security Display     | (B-ACSD)  |

### Controllers

|                          |  |         |
|--------------------------|--|---------|
| <input type="checkbox"/> | BACnet Building Controller             | (B-BC)  |
| <input type="checkbox"/> | BACnet Advanced Application Controller | (B-AAC) |
| <input type="checkbox"/> | BACnet Application Specific Controller | (B-ASC) |
| <input type="checkbox"/> | BACnet Smart Actuator                  | (B-SA)  |
| <input type="checkbox"/> | BACnet Smart Sensor                    | (B-SS)  |

### Life Safety Controllers

|                          |  |          |
|--------------------------|--|----------|
| <input type="checkbox"/> | BACnet Advanced Life Safety Controller | (B-ALSC) |
| <input type="checkbox"/> | BACnet Life Safety Controller          | (B-LSC)  |

### Access Control Controllers

|                          |   |          |
|--------------------------|---|----------|
| <input type="checkbox"/> | BACnet Advanced Access Control Controller | (B-AACC) |
| <input type="checkbox"/> | BACnet Access Control Controller          | (B-ACC)  |

### Miscellaneous

|                          |   |          |
|--------------------------|---|----------|
| <input type="checkbox"/> | BACnet Router                           | (B-RTR)  |
| <input type="checkbox"/> | BACnet Gateway                          | (B-GW)   |
| <input type="checkbox"/> | BACnet Broadcast Management Device      | (B-BBMD) |
| <input type="checkbox"/> | BACnet Access Control Door Controller   | (B-ACDC) |
| <input type="checkbox"/> | BACnet Access Control Credential Reader | (B-ACCR) |

The B-GENERAL device profile is not included in any of the profile families and is never claimed in conjunction with any other device profile, except those from the Miscellaneous family.

|                          |                |             |
|--------------------------|----------------|-------------|
| <input type="checkbox"/> | BACnet General | (B-GENERAL) |
|--------------------------|----------------|-------------|

### 1.3 BACnet Interoperability Building Blocks Supported (Annex K)

#### Data Sharing

|                                     |   |            |
|-------------------------------------|---|------------|
| <input checked="" type="checkbox"/> | Data Sharing – Read Property-A                        | DS-RP-A    |
| <input checked="" type="checkbox"/> | Data Sharing – Read Property-B                        | DS-RP-B    |
| <input checked="" type="checkbox"/> | Data Sharing – Read Property Multiple-A               | DS-RPM-A   |
| <input checked="" type="checkbox"/> | Data Sharing – Read Property Multiple-B               | DS-RPM-B   |
| <input checked="" type="checkbox"/> | Data Sharing – Write Property-A                       | DS-WP-A    |
| <input checked="" type="checkbox"/> | Data Sharing – Write Property-B                       | DS-WP-B    |
| <input type="checkbox"/>            | Data Sharing – Write Property Multiple-A              | DS-WPM-A   |
| <input checked="" type="checkbox"/> | Data Sharing – Write Property Multiple-B              | DS-WPM-B   |
| <input checked="" type="checkbox"/> | Data Sharing – Change of Value -A                     | DS-COV-A   |
| <input checked="" type="checkbox"/> | Data Sharing – Change of Value -B                     | DS-COV-B   |
| <input checked="" type="checkbox"/> | Data Sharing – Change of Value Property -A            | DS-COVP-A  |
| <input checked="" type="checkbox"/> | Data Sharing – Change of Value Property -B            | DS-COVP-B  |
| <input type="checkbox"/>            | Data Sharing – Change of Value-Unsolicited-A          | DS-COVU-A  |
| <input type="checkbox"/>            | Data Sharing – Change of Value-Unsolicited-B          | DS-COVU-B  |
| <input checked="" type="checkbox"/> | Data Sharing – View-A                                 | DS-V-A     |
| <input type="checkbox"/>            | Data Sharing – Advanced View-A                        | DS-AV-A    |
| <input checked="" type="checkbox"/> | Data Sharing – Modify-A                               | DS-M-A     |
| <input type="checkbox"/>            | Data Sharing – Advanced Modify-A                      | DS-AM-A    |
| <input type="checkbox"/>            | Data Sharing – WriteGroup-A                           | DS-WG-A    |
| <input type="checkbox"/>            | Data Sharing – WriteGroup-Internal-B                  | DS-WG-I-B  |
| <input type="checkbox"/>            | Data Sharing – WriteGroup-External-B                  | DS-WG-E-B  |
| <input type="checkbox"/>            | Data Sharing – Value Source Information-B             | DS-VSI-B   |
| <input type="checkbox"/>            | Data Sharing – Change Of Value Multiple-A             | DS-COVM-A  |
| <input type="checkbox"/>            | Data Sharing – Change Of Value Multiple-B             | DS-COVM-B  |
| <input type="checkbox"/>            | Data Sharing – Life Safety View-A                     | DS-LSV-A   |
| <input type="checkbox"/>            | Data Sharing – Life Safety Advanced View-A            | DS-LSAV-A  |
| <input type="checkbox"/>            | Data Sharing – Life Safety Modify-A                   | DS-LSM-A   |
| <input type="checkbox"/>            | Data Sharing – Life Safety Advanced Modify-A          | DS-LSAM-A  |
| <input type="checkbox"/>            | Data Sharing – Access Control View-A                  | DS-ACV-A   |
| <input type="checkbox"/>            | Data Sharing – Access Control Advanced View-A         | DS-ACAV-A  |
| <input type="checkbox"/>            | Data Sharing – Access Control Modify-A                | DS-ACM-A   |
| <input type="checkbox"/>            | Data Sharing – Access Control Advanced Modify-A       | DS-ACAM-A  |
| <input type="checkbox"/>            | Data Sharing – Access Control User Configuration-A    | DS-ACUC-A  |
| <input type="checkbox"/>            | Data Sharing – Access Control User Configuration-B    | DS-ACUC-B  |
| <input type="checkbox"/>            | Data Sharing – Access Control Site Configuration-A    | DS-ACSC-A  |
| <input type="checkbox"/>            | Data Sharing – Access Control Site Configuration-B    | DS-ACSC-B  |
| <input type="checkbox"/>            | Data Sharing – Access Control Access Door-A           | DS-ACAD-A  |
| <input type="checkbox"/>            | Data Sharing – Access Control Access Door-B           | DS-ACAD-B  |
| <input type="checkbox"/>            | Data Sharing – Access Control Credential Data Input-A | DS-ACCDI-A |
| <input type="checkbox"/>            | Data Sharing – Access Control Credential Data Input-B | DS-ACCDI-B |

**Alarm and Event Management**

|                                     |  |            |
|-------------------------------------|--|------------|
| <input checked="" type="checkbox"/> | Alarm and Event – Notification-A                               | AE-N-A     |
| <input checked="" type="checkbox"/> | Alarm and Event – Notification Internal-B                      | AE-N-I-B   |
| <input type="checkbox"/>            | Alarm and Event – Notification External-B                      | AE-N-E-B   |
| <input checked="" type="checkbox"/> | Alarm and Event – Acknowledge-A                                | AE-ACK-A   |
| <input checked="" type="checkbox"/> | Alarm and Event – Acknowledge-B                                | AE-ACK-B   |
| <input checked="" type="checkbox"/> | Alarm and Event – Alarm Summary-B                              | AE-ASUM-B  |
| <input checked="" type="checkbox"/> | Alarm and Event – Enrollment Summary-B                         | AE-ESUM-B  |
| <input checked="" type="checkbox"/> | Alarm and Event – Information-B                                | AE-INFO-B  |
| <input type="checkbox"/>            | Alarm and Event – Life Safety-A                                | AE-LS-A    |
| <input type="checkbox"/>            | Alarm and Event – Life Safety-B                                | AE-LS-B    |
| <input checked="" type="checkbox"/> | Alarm and Event – View Notifications-A                         | AE-VN-A    |
| <input type="checkbox"/>            | Alarm and Event – Advanced View Notifications-A                | AE-AVN-A   |
| <input checked="" type="checkbox"/> | Alarm and Event – View and Modify-A                            | AE-VM-A    |
| <input type="checkbox"/>            | Alarm and Event – Advanced View and Modify-A                   | AE-AVM-A   |
| <input type="checkbox"/>            | Alarm and Event – Alarm Summary View-A                         | AE-AS-A    |
| <input checked="" type="checkbox"/> | Alarm and Event – Event Log View-A                             | AE-ELV-A   |
| <input type="checkbox"/>            | Alarm and Event – Event Log View and Modify-A                  | AE-ELVM-A  |
| <input checked="" type="checkbox"/> | Alarm and Event – Event Log Internal-B                         | AE-EL-I-B  |
| <input type="checkbox"/>            | Alarm and Event – Event Log External-B                         | AE-EL-E-B  |
| <input type="checkbox"/>            | Alarm and Event – Notification Forwarder-B                     | AE-NF-B    |
| <input type="checkbox"/>            | Alarm and Event – Notification Forwarder-Internal-B            | AE-NF-I-B  |
| <input type="checkbox"/>            | Alarm and Event – Configurable Recipient Lists-B               | AE-CRL-B   |
| <input type="checkbox"/>            | Alarm and Event – Temporary Event Subscription-A               | AE-TES-A   |
| <input type="checkbox"/>            | Alarm and Event – Life Safety View Notifications-A             | AE-LSVN-A  |
| <input type="checkbox"/>            | Alarm and Event – Life Safety Advanced View Notifications-A    | AE-LSAVN-A |
| <input type="checkbox"/>            | Alarm and Event – Life Safety View and Modify-A                | AE-LSVM-A  |
| <input type="checkbox"/>            | Alarm and Event – Life Safety Advanced View and Modify-A       | AE-LSAVM-A |
| <input type="checkbox"/>            | Alarm and Event – Access Control-A                             | AE-AC-A    |
| <input type="checkbox"/>            | Alarm and Event – Access Control-B                             | AE-AC-B    |
| <input type="checkbox"/>            | Alarm and Event – Access Control Advanced View Notifications-A | AE-ACAVN-A |
| <input type="checkbox"/>            | Alarm and Event – Access Control View and Modify-A             | AE-ACVM-A  |
| <input type="checkbox"/>            | Alarm and Event – Access Control Advanced View and Modify-A    | AE-ACAVM-A |

**Historical/Deprecated BIBBs**

|                                     |  |           |
|-------------------------------------|--|-----------|
| <input type="checkbox"/>            | Alarm and Event – Alarm Summary-A      | AE-ASUM-A |
| <input type="checkbox"/>            | Alarm and Event – Enrollment Summary-A | AE-ESUM-A |
| <input checked="" type="checkbox"/> | Alarm and Event – Information-A        | AE-INFO-A |

**Scheduling**

|                          |   |               |
|--------------------------|---|---------------|
| <input type="checkbox"/> | Scheduling – Internal-B                 | SCHED-I-B     |
| <input type="checkbox"/> | Scheduling – External-B                 | SCHED-E-B     |
| <input type="checkbox"/> | Scheduling – Readonly-B                 | SCHED-R-B     |
| <input type="checkbox"/> | Scheduling – Advanced View Modify-A     | SCHED-AVM-A   |
| <input type="checkbox"/> | Scheduling – View Modify-A              | SCHED-VM-A    |
| <input type="checkbox"/> | Scheduling – Weekly Schedule-A          | SCHED-WS-A    |
| <input type="checkbox"/> | Scheduling – Weekly Schedule Internal-B | SCHED-WS-I-B  |
| <input type="checkbox"/> | Scheduling – Timer-Internal-B           | SCHED-TMR-I-B |
| <input type="checkbox"/> | Scheduling – Timer-External-B           | SCHED-TMR-E-B |

**Historical/Deprecated BIBBs**

|                          |                |         |
|--------------------------|----------------|---------|
| <input type="checkbox"/> | Scheduling – A | SCHED-A |
|--------------------------|----------------|---------|

**Trending**

|                          |  |            |
|--------------------------|--|------------|
| <input type="checkbox"/> | Trending – Viewing and Modifying Internal-B                  | T-VMT-I-B  |
| <input type="checkbox"/> | Trending – Viewing and Modifying External-B                  | T-VMT-E-B  |
| <input type="checkbox"/> | Trending – Automated Trend Retrieval-A                       | T-ATR-A    |
| <input type="checkbox"/> | Trending – Automated Trend Retrieval-B                       | T-ATR-B    |
| <input type="checkbox"/> | Trending – Viewing and Modifying Multiple Values Internal-B  | T-VMMV-I-B |
| <input type="checkbox"/> | Trending – Viewing and Modifying Multiple Values External -B | T-VMMV-E-B |
| <input type="checkbox"/> | Trending – Automated Multiple Value Retrieval-A              | T-AMVR-A   |
| <input type="checkbox"/> | Trending – Automated Multiple Value Retrieval-B              | T-AMVR-B   |
| <input type="checkbox"/> | Trending – View-A  | T-V-A      |
| <input type="checkbox"/> | Trending – Advanced View and Modify-A                        | T-AVM-A    |
| <input type="checkbox"/> | Trending – Archival-A  | T-A-A      |

**Historical/Deprecated BIBBs**

|                          |  |          |
|--------------------------|--|----------|
| <input type="checkbox"/> | Trending – Viewing and Modifying Trends-A          | T-VMT-A  |
| <input type="checkbox"/> | Trending – Viewing and Modifying Multiple Values-A | T-VMMV-A |

## Device Management

|                                     |  |            |
|-------------------------------------|--|------------|
| <input checked="" type="checkbox"/> | Device Management – Dynamic Device Binding-A         | DM-DDB-A   |
| <input checked="" type="checkbox"/> | Device Management – Dynamic Device Binding-B         | DM-DDB-B   |
| <input type="checkbox"/>            | Device Management – Dynamic Object Binding-A         | DM-DOB-A   |
| <input checked="" type="checkbox"/> | Device Management – Dynamic Object Binding-B         | DM-DOB-B   |
| <input type="checkbox"/>            | Device Management – Device Communication Control-A   | DM-DCC-A   |
| <input checked="" type="checkbox"/> | Device Management – Device Communication Control-B   | DM-DCC-B   |
| <input type="checkbox"/>            | Device Management – Text Message-A                   | DM-TM-A    |
| <input type="checkbox"/>            | Device Management – Text Message-B                   | DM-TM-B    |
| <input type="checkbox"/>            | Device Management – Time Synchronization-A           | DM-TS-A    |
| <input checked="" type="checkbox"/> | Device Management – Time Synchronization-B           | DM-TS-B    |
| <input type="checkbox"/>            | Device Management – UTC Time Synchronization-A       | DM-UTC-A   |
| <input checked="" type="checkbox"/> | Device Management – UTC Time Synchronization-B       | DM-UTC-B   |
| <input type="checkbox"/>            | Device Management – Reinitialize Device-A            | DM-RD-A    |
| <input checked="" type="checkbox"/> | Device Management – Reinitialize Device-B            | DM-RD-B    |
| <input type="checkbox"/>            | Device Management – Backup and Restore-A             | DM-BR-A    |
| <input checked="" type="checkbox"/> | Device Management – Backup and Restore-B             | DM-BR-B    |
| <input type="checkbox"/>            | Device Management – Restart-A                        | DM-R-A     |
| <input checked="" type="checkbox"/> | Device Management – Restart-B                        | DM-R-B     |
| <input checked="" type="checkbox"/> | Device Management – List Manipulation-A              | DM-LM-A    |
| <input checked="" type="checkbox"/> | Device Management – List Manipulation-B              | DM-LM-B    |
| <input type="checkbox"/>            | Device Management – Object Creation and Deletion-A   | DM-OCD-A   |
| <input type="checkbox"/>            | Device Management – Object Creation and Deletion-B   | DM-OCD-B   |
| <input type="checkbox"/>            | Device Management – Virtual Terminal-A               | DM-VT-A    |
| <input type="checkbox"/>            | Device Management – Virtual Terminal-B               | DM-VT-B    |
| <input type="checkbox"/>            | Device Management – Automatic Network Mapping-A      | DM-ANM-A   |
| <input type="checkbox"/>            | Device Management – Automatic Device Mapping-A       | DM-ADM-A   |
| <input type="checkbox"/>            | Device Management – Automatic Time Synchronization-A | DM-ATS-A   |
| <input type="checkbox"/>            | Device Management – Manual Time Synchronization-A    | DM-MTS-A   |
| <input type="checkbox"/>            | Device Management – Slave Proxy-View and Modify-A    | DM-SP-VM-A |
| <input type="checkbox"/>            | Device Management – Slave Proxy-B                    | DM-SP-B    |



**Network Management**

|                          |  |           |
|--------------------------|--|-----------|
| <input type="checkbox"/> | Network Management – Connection Establishment-A    | NM-CE-A   |
| <input type="checkbox"/> | Network Management – Connection Establishment-B    | NM-CE-B   |
| <input type="checkbox"/> | Network Management – Router Configuration-A        | NM-RC-A   |
| <input type="checkbox"/> | Network Management – Router Configuration-B        | NM-RC-B   |
| <input type="checkbox"/> | Network Management – BBMD Configuration-A          | NM-BBMD-A |
| <input type="checkbox"/> | Network Management – BBMD Configuration-B          | NM-BBMD-B |
| <input type="checkbox"/> | Network Management – Foreign Device Registration-A | NM-FDR-A  |

**Gateway**

|                          |                              |         |
|--------------------------|------------------------------|---------|
| <input type="checkbox"/> | Gateway – Virtual Network-B  | GW-VN-B |
| <input type="checkbox"/> | Gateway – Embedded Objects-B | GW-EO-B |

**Network Security**

|                          |   |          |
|--------------------------|---|----------|
| <input type="checkbox"/> | Network Security – Secure Device            | NS-SD    |
| <input type="checkbox"/> | Network Security – Encrypted Device         | NS-ED    |
| <input type="checkbox"/> | Network Security – Multi-Application Device | NS-MAD   |
| <input type="checkbox"/> | Network Security – Device Master Key-A      | NS-DMK-A |
| <input type="checkbox"/> | Network Security – Device Master Key-B      | NS-DMK-B |
| <input type="checkbox"/> | Network Security – Key Server               | NS-KS    |
| <input type="checkbox"/> | Network Security – Temporary Key Server     | NS-TKS   |
| <input type="checkbox"/> | Network Security – Secure Router            | NS-SR    |
| <input type="checkbox"/> | Network Security – Security Proxy           | NS-SP    |

## 1.4 Standard Object Types Supported

| Object type            | Supported                           | Can be created dynamically | Can be deleted dynamically |
|------------------------|-------------------------------------|----------------------------|----------------------------|
| Analog Input           | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Analog Output          | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Analog Value           | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Averaging              | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Binary Input           | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Binary Output          | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Binary Value           | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Calendar               | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Command                | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Device                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Event Enrollment       | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/>   |
| File                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Group                  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Life-Safety-Point      | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Life-Safety-Zone       | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Loop                   | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Multi-State Input      | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Multi-State Output     | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Multi-State Value      | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Notification Class     | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Program                | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Pulse-Converter        | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Schedule               | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Trend Log              | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Access Door            | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Event Log              | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Load Control           | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Structured-View        | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Trend Log Multiple     | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Access Point           | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Access Zone            | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Access User            | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Access Rights          | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Access Credential      | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Credential Data Input  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Characterstring Value  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Datetime Value         | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Large Analog Value     | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Bitstring Value        | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Octetstring Value      | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Time Value             | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Integer Value          | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Positive Integer Value | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |

| Object type            | Supported                           | Can be created dynamically | Can be deleted dynamically |
|------------------------|-------------------------------------|----------------------------|----------------------------|
| Date Value             | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Datetime Pattern Value | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Time Pattern Value     | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Date Pattern Value     | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Network Security       | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Global Group           | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Notification Forwarder | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Alert Enrollment       | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Channel                | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Lighting Output        | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Binary Lighting Output | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Network Port           | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Timer                  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Elevator Group         | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Lift                   | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Escalator              | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Accumulator            | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>   |

## Analog Input

| Properties         | Supported                | Readable/<br>Writable | Range restrictions |
|--------------------|--------------------------|-----------------------|--------------------|
| Object_Identifier  | <input type="checkbox"/> | R                     |                    |
| Object_Name        | <input type="checkbox"/> | R                     |                    |
| Object_Type        | <input type="checkbox"/> | R                     |                    |
| Present_Value      | <input type="checkbox"/> | R                     |                    |
| Description        | <input type="checkbox"/> | R                     |                    |
| Device_Type        | <input type="checkbox"/> | R                     |                    |
| Status_Flags       | <input type="checkbox"/> | R                     |                    |
| Event_State        | <input type="checkbox"/> | R                     |                    |
| Reliability        | <input type="checkbox"/> | R                     |                    |
| Out_Of_Service     | <input type="checkbox"/> | W                     |                    |
| Update_Interval    | <input type="checkbox"/> | R                     |                    |
| Units              | <input type="checkbox"/> | R                     |                    |
| Min_Pres_Value     | <input type="checkbox"/> | R                     |                    |
| Max_Pres_Value     | <input type="checkbox"/> | R                     |                    |
| Resolution         | <input type="checkbox"/> | R                     |                    |
| COV_Increment      | <input type="checkbox"/> | W                     |                    |
| Time_Delay         | <input type="checkbox"/> | W                     |                    |
| Notification_Class | <input type="checkbox"/> | W                     |                    |
| High_Limit         | <input type="checkbox"/> | W                     |                    |
| Low_Limit          | <input type="checkbox"/> | W                     |                    |
| Deadband           | <input type="checkbox"/> | W                     |                    |
| Limit_Enable       | <input type="checkbox"/> | W                     |                    |
| Event_Enable       | <input type="checkbox"/> | W                     |                    |
| Acked_Transitions  | <input type="checkbox"/> | R                     |                    |
| Notify_Type        | <input type="checkbox"/> | W                     |                    |
| Event_Time_Stamps  | <input type="checkbox"/> | R                     |                    |
| Profile_Name       | <input type="checkbox"/> | R                     |                    |

## Analog Output

| Properties         | supported                | Readable/<br>Writable | Range restrictions |
|--------------------|--------------------------|-----------------------|--------------------|
| Object_Identifier  | <input type="checkbox"/> | R                     |                    |
| Object_Name        | <input type="checkbox"/> | R                     |                    |
| Object_Type        | <input type="checkbox"/> | R                     |                    |
| Present_Value      | <input type="checkbox"/> | W                     |                    |
| Description        | <input type="checkbox"/> | R                     |                    |
| Device_Type        | <input type="checkbox"/> | R                     |                    |
| Status_Flags       | <input type="checkbox"/> | R                     |                    |
| Event_State        | <input type="checkbox"/> | R                     |                    |
| Reliability        | <input type="checkbox"/> | R                     |                    |
| Out_Of_Service     | <input type="checkbox"/> | W                     |                    |
| Units              | <input type="checkbox"/> | R                     |                    |
| Min_Pres_Value     | <input type="checkbox"/> | R                     |                    |
| Max_Pres_Value     | <input type="checkbox"/> | R                     |                    |
| Resolution         | <input type="checkbox"/> | R                     |                    |
| Priority_Array     | <input type="checkbox"/> | R                     |                    |
| Relinquish_Default | <input type="checkbox"/> | W                     |                    |
| COV_Increment      | <input type="checkbox"/> | W                     |                    |
| Time_Delay         | <input type="checkbox"/> | W                     |                    |
| Notification_Class | <input type="checkbox"/> | W                     |                    |
| High_Limit         | <input type="checkbox"/> | W                     |                    |
| Low_Limit          | <input type="checkbox"/> | W                     |                    |
| Deadband           | <input type="checkbox"/> | W                     |                    |
| Limit_Enable       | <input type="checkbox"/> | W                     |                    |
| Event_Enable       | <input type="checkbox"/> | W                     |                    |
| Acked_Transitions  | <input type="checkbox"/> | R                     |                    |
| Notify_Type        | <input type="checkbox"/> | W                     |                    |
| Event_Time_Stamps  | <input type="checkbox"/> | R                     |                    |
| Profile_Name       | <input type="checkbox"/> | R                     |                    |

## Analog Value

| Properties         | Supported                           | Readable/<br>Writable | Range restrictions |
|--------------------|-------------------------------------|-----------------------|--------------------|
| Object_Identifier  | <input checked="" type="checkbox"/> | R                     |                    |
| Object_Name        | <input checked="" type="checkbox"/> | R                     |                    |
| Object_Type        | <input checked="" type="checkbox"/> | R                     |                    |
| Present_Value      | <input checked="" type="checkbox"/> | W                     |                    |
| Description        | <input checked="" type="checkbox"/> | R                     |                    |
| Status_Flags       | <input checked="" type="checkbox"/> | R                     |                    |
| Event_State        | <input checked="" type="checkbox"/> | R                     |                    |
| Reliability        | <input checked="" type="checkbox"/> | R                     |                    |
| Out_Of_Service     | <input checked="" type="checkbox"/> | W                     |                    |
| Units              | <input checked="" type="checkbox"/> | R                     |                    |
| Priority_Array     | <input type="checkbox"/>            | R                     |                    |
| Relinquish_Default | <input type="checkbox"/>            | W                     |                    |
| COV_Increment      | <input checked="" type="checkbox"/> | W                     |                    |
| Time_Delay         | <input type="checkbox"/>            | W                     |                    |
| Notification_Class | <input type="checkbox"/>            | W                     |                    |
| High_Limit         | <input type="checkbox"/>            | W                     |                    |
| Low_Limit          | <input type="checkbox"/>            | W                     |                    |
| Deadband           | <input type="checkbox"/>            | W                     |                    |
| Limit_Enable       | <input type="checkbox"/>            | W                     |                    |
| Event_Enable       | <input type="checkbox"/>            | W                     |                    |
| Acked_Transitions  | <input type="checkbox"/>            | R                     |                    |
| Notify_Type        | <input type="checkbox"/>            | W                     |                    |
| Event_Time_Stamps  | <input type="checkbox"/>            | R                     |                    |
| Profile_Name       | <input checked="" type="checkbox"/> | R                     |                    |

**Binary Input**

| Properties                | supported                | Readable/<br>Writable | Range restrictions |
|---------------------------|--------------------------|-----------------------|--------------------|
| Object_Identifier         | <input type="checkbox"/> | R                     |                    |
| Object_Name               | <input type="checkbox"/> | R                     |                    |
| Object_Type               | <input type="checkbox"/> | R                     |                    |
| Present_Value             | <input type="checkbox"/> | R                     |                    |
| Description               | <input type="checkbox"/> | R                     |                    |
| Device_Type               | <input type="checkbox"/> | R                     |                    |
| Status_Flags              | <input type="checkbox"/> | R                     |                    |
| Event_State               | <input type="checkbox"/> | R                     |                    |
| Reliability               | <input type="checkbox"/> | R                     |                    |
| Out_Of_Service            | <input type="checkbox"/> | W                     |                    |
| Polarity                  | <input type="checkbox"/> | W                     |                    |
| Inactive_Text             | <input type="checkbox"/> | R                     |                    |
| Active_Text               | <input type="checkbox"/> | R                     |                    |
| Change_Of_State_Time      | <input type="checkbox"/> | R                     |                    |
| Change_Of_State_Count     | <input type="checkbox"/> | R                     |                    |
| Time_Of_State_Count_Reset | <input type="checkbox"/> | R                     |                    |
| Elapsed_Active_Time       | <input type="checkbox"/> | W                     |                    |
| Time_Of_Active_Time_Reset | <input type="checkbox"/> | R                     |                    |
| Time_Delay                | <input type="checkbox"/> | W                     |                    |
| Notification_Class        | <input type="checkbox"/> | W                     |                    |
| Alarm_Value               | <input type="checkbox"/> | W                     |                    |
| Event_Enable              | <input type="checkbox"/> | W                     |                    |
| Acked_Transitions         | <input type="checkbox"/> | R                     |                    |
| Notify_Type               | <input type="checkbox"/> | W                     |                    |
| Event_Time_Stamps         | <input type="checkbox"/> | R                     |                    |
| Profile_Name              | <input type="checkbox"/> | R                     |                    |

## Binary Output

| Properties                | supported                | Readable/<br>Writable | Range restrictions |
|---------------------------|--------------------------|-----------------------|--------------------|
| Object_Identifier         | <input type="checkbox"/> | R                     |                    |
| Object_Name               | <input type="checkbox"/> | R                     |                    |
| Object_Type               | <input type="checkbox"/> | R                     |                    |
| Present_Value             | <input type="checkbox"/> | W                     |                    |
| Description               | <input type="checkbox"/> | R                     |                    |
| Device_Type               | <input type="checkbox"/> | R                     |                    |
| Status_Flags              | <input type="checkbox"/> | R                     |                    |
| Event_State               | <input type="checkbox"/> | R                     |                    |
| Reliability               | <input type="checkbox"/> | R                     |                    |
| Out_Of_Service            | <input type="checkbox"/> | W                     |                    |
| Polarity                  | <input type="checkbox"/> | W                     |                    |
| Inactive_Text             | <input type="checkbox"/> | R                     |                    |
| Active_Text               | <input type="checkbox"/> | R                     |                    |
| Change_Of_State_Time      | <input type="checkbox"/> | R                     |                    |
| Change_Of_State_Count     | <input type="checkbox"/> | W                     |                    |
| Time_Of_State_Count_Reset | <input type="checkbox"/> | R                     |                    |
| Elapsed_Active_Time       | <input type="checkbox"/> | W                     |                    |
| Time_Of_Active_Time_Reset | <input type="checkbox"/> | R                     |                    |
| Minimum_Off_Time          | <input type="checkbox"/> | W                     |                    |
| Minimum_On_Time           | <input type="checkbox"/> | W                     |                    |
| Priority_Array            | <input type="checkbox"/> | R                     |                    |
| Relinquish_Default        | <input type="checkbox"/> | W                     |                    |
| Time_Delay                | <input type="checkbox"/> | W                     |                    |
| Notification_Class        | <input type="checkbox"/> | W                     |                    |
| Feedback_Value            | <input type="checkbox"/> | R                     |                    |
| Event_Enable              | <input type="checkbox"/> | W                     |                    |
| Acked_Transitions         | <input type="checkbox"/> | R                     |                    |
| Notify_Type               | <input type="checkbox"/> | W                     |                    |
| Event_Time_Stamps         | <input type="checkbox"/> | R                     |                    |
| Profile_Name              | <input type="checkbox"/> | R                     |                    |



**Binary Value**

| <b>Properties</b>         | <b>supported</b>         | <b>Readable/<br/>Writable</b> | <b>Range restrictions</b> |
|---------------------------|--------------------------|-------------------------------|---------------------------|
| Object_Identifier         | <input type="checkbox"/> | R                             |                           |
| Object_Name               | <input type="checkbox"/> | R                             |                           |
| Object_Type               | <input type="checkbox"/> | R                             |                           |
| Present_Value             | <input type="checkbox"/> | W                             |                           |
| Description               | <input type="checkbox"/> | R                             |                           |
| Status_Flags              | <input type="checkbox"/> | R                             |                           |
| Event_State               | <input type="checkbox"/> | R                             |                           |
| Reliability               | <input type="checkbox"/> | R                             |                           |
| Out_Of_Service            | <input type="checkbox"/> | W                             |                           |
| Inactive_Text             | <input type="checkbox"/> | R                             |                           |
| Active_Text               | <input type="checkbox"/> | R                             |                           |
| Change_Of_State_Time      | <input type="checkbox"/> | R                             |                           |
| Change_Of_State_Count     | <input type="checkbox"/> | W                             |                           |
| Time_Of_State_Count_Reset | <input type="checkbox"/> | R                             |                           |
| Elapsed_Active_Time       | <input type="checkbox"/> | W                             |                           |
| Time_Of_Active_Time_Reset | <input type="checkbox"/> | R                             |                           |
| Minimum_Off_Time          | <input type="checkbox"/> | W                             |                           |
| Minimum_On_Time           | <input type="checkbox"/> | W                             |                           |
| Priority_Array            | <input type="checkbox"/> | R                             |                           |
| Relinquish_Default        | <input type="checkbox"/> | W                             |                           |
| Time_Delay                | <input type="checkbox"/> | W                             |                           |
| Notification_Class        | <input type="checkbox"/> | W                             |                           |
| Alarm_Value               | <input type="checkbox"/> | W                             |                           |
| Event_Enable              | <input type="checkbox"/> | W                             |                           |
| Acked_Transitions         | <input type="checkbox"/> | R                             |                           |
| Notify_Type               | <input type="checkbox"/> | W                             |                           |
| Event_Time_Stamps         | <input type="checkbox"/> | R                             |                           |
| Profile_Name              | <input type="checkbox"/> | R                             |                           |

**Calendar**

| Properties        | supported                | Readable/<br>Writable | Range restrictions |
|-------------------|--------------------------|-----------------------|--------------------|
| Object_Identifier | <input type="checkbox"/> | R                     |                    |
| Object_Name       | <input type="checkbox"/> | R                     |                    |
| Object_Type       | <input type="checkbox"/> | R                     |                    |
| Description       | <input type="checkbox"/> | R                     |                    |
| Present_Value     | <input type="checkbox"/> | R                     |                    |
| Date_List         | <input type="checkbox"/> | W                     |                    |
| Profile_Name      | <input type="checkbox"/> | R                     |                    |

**Command**

| Properties            | supported                | Readable/<br>Writable | Range restrictions |
|-----------------------|--------------------------|-----------------------|--------------------|
| Object_Identifier     | <input type="checkbox"/> | R                     |                    |
| Object_Name           | <input type="checkbox"/> | R                     |                    |
| Object_Type           | <input type="checkbox"/> | R                     |                    |
| Description           | <input type="checkbox"/> | R                     |                    |
| Present_Value         | <input type="checkbox"/> | W                     |                    |
| In_Process            | <input type="checkbox"/> | R                     |                    |
| All_Writes_Successful | <input type="checkbox"/> | R                     |                    |
| Action                | <input type="checkbox"/> | R                     |                    |
| Action_Text           | <input type="checkbox"/> | R                     |                    |
| Profile_Name          | <input type="checkbox"/> | R                     |                    |

**Device**

| Properties                      | supported                           | Readable/<br>Writable | Range<br>restrictions |
|---------------------------------|-------------------------------------|-----------------------|-----------------------|
| Object_Identifier               | <input checked="" type="checkbox"/> | R                     |                       |
| Object_Name                     | <input checked="" type="checkbox"/> | R                     |                       |
| Object_Type                     | <input checked="" type="checkbox"/> | R                     |                       |
| System_Status                   | <input checked="" type="checkbox"/> | R                     |                       |
| Vendor_Name                     | <input checked="" type="checkbox"/> | R                     |                       |
| Vendor_Identifier               | <input checked="" type="checkbox"/> | R                     |                       |
| Model_Name                      | <input checked="" type="checkbox"/> | R                     |                       |
| Firmware_Revision               | <input checked="" type="checkbox"/> | R                     |                       |
| Application_Software_Version    | <input checked="" type="checkbox"/> | R                     |                       |
| Location                        | <input checked="" type="checkbox"/> | R                     |                       |
| Description                     | <input checked="" type="checkbox"/> | R                     |                       |
| Protocol_Version                | <input checked="" type="checkbox"/> | R                     |                       |
| Protocol_Revision               | <input checked="" type="checkbox"/> | R                     |                       |
| Protocol_Services_Supported     | <input checked="" type="checkbox"/> | R                     |                       |
| Protocol_Object_Types_Supported | <input checked="" type="checkbox"/> | R                     |                       |
| Object_List                     | <input checked="" type="checkbox"/> | R                     |                       |
| Structured_Object_List          | <input checked="" type="checkbox"/> | R                     |                       |
| Max_APDU_Length_Accepted        | <input checked="" type="checkbox"/> | R                     |                       |
| Segmentation_Supported          | <input checked="" type="checkbox"/> | R                     |                       |
| Max_Segments_Accepted           | <input checked="" type="checkbox"/> | R                     |                       |
| VT_Classes_Supported            | <input type="checkbox"/>            |                       |                       |
| Active_VT_Sessions              | <input type="checkbox"/>            |                       |                       |
| Local_Time                      | <input checked="" type="checkbox"/> | R                     |                       |
| Local_Date                      | <input checked="" type="checkbox"/> | R                     |                       |
| UTC_Offset                      | <input checked="" type="checkbox"/> | W                     |                       |
| Daylight_Savings_Status         | <input checked="" type="checkbox"/> | R                     |                       |
| APDU_Segment_Timeout            | <input checked="" type="checkbox"/> | R                     |                       |
| APDU_Timeout                    | <input checked="" type="checkbox"/> | R                     |                       |
| Number_Of_APDU_Retries          | <input checked="" type="checkbox"/> | R                     |                       |
| List_Of_Session_Keys            | <input type="checkbox"/>            |                       |                       |
| Time_Synchronization_Recipients | <input type="checkbox"/>            | W                     |                       |
| Max_Master                      | <input type="checkbox"/>            |                       |                       |
| Max_Info_Frames                 | <input type="checkbox"/>            |                       |                       |
| Device_Address_Binding          | <input checked="" type="checkbox"/> | R                     |                       |
| Database_Revision               | <input checked="" type="checkbox"/> | R                     |                       |
| Configuration_Files             | <input checked="" type="checkbox"/> | R                     |                       |
| Last_Restore_Time               | <input checked="" type="checkbox"/> | R                     |                       |
| Backup_Failure_Timeout          | <input checked="" type="checkbox"/> | W                     |                       |
| Backup_Preparation_Time         | <input type="checkbox"/>            | R                     |                       |
| Restore_Preparation_Time        | <input type="checkbox"/>            | R                     |                       |
| Restore_Completion_Time         | <input type="checkbox"/>            | R                     |                       |
| Backup_And_Restore_State        | <input type="checkbox"/>            | R                     |                       |
| Active_COV_Subscriptions        | <input checked="" type="checkbox"/> | R                     |                       |
| Slave_Proxy_Enable              | <input type="checkbox"/>            |                       |                       |
| Manual_Slave_Adress_Binding     | <input type="checkbox"/>            |                       |                       |

| Properties                          | supported                           | Readable/<br>Writable | Range<br>restrictions |
|-------------------------------------|-------------------------------------|-----------------------|-----------------------|
| Auto_Slave_Discovery                | <input type="checkbox"/>            |                       |                       |
| Slave_Address_Binding               | <input type="checkbox"/>            |                       |                       |
| Last_Restart_Reason                 | <input type="checkbox"/>            | R                     |                       |
| Time_Of_Device_Restart              | <input type="checkbox"/>            | R                     |                       |
| Restart_Notification_Recipients     | <input type="checkbox"/>            | W                     |                       |
| UTC_Time_Synchronization_Recipients | <input type="checkbox"/>            | W                     |                       |
| Time_Synchronization_Interval       | <input type="checkbox"/>            | W                     |                       |
| Align_Intervals                     | <input type="checkbox"/>            | W                     |                       |
| Interval_Offset                     | <input type="checkbox"/>            | W                     |                       |
| Profile_Name                        | <input checked="" type="checkbox"/> | R                     |                       |

**Event Enrollment**

| Properties                 | supported                           | Readable/<br>Writable | Range<br>restrictions |
|----------------------------|-------------------------------------|-----------------------|-----------------------|
| Object_Identifier          | <input checked="" type="checkbox"/> | R                     |                       |
| Object_Name                | <input checked="" type="checkbox"/> | R                     |                       |
| Object_Type                | <input checked="" type="checkbox"/> | R                     |                       |
| Description                | <input checked="" type="checkbox"/> | R                     |                       |
| Event_Type                 | <input checked="" type="checkbox"/> | R                     |                       |
| Notify_Type                | <input checked="" type="checkbox"/> | W                     |                       |
| Event_Parameters           | <input checked="" type="checkbox"/> | W                     |                       |
| Object_Property_Reference  | <input checked="" type="checkbox"/> | W                     |                       |
| Event_State                | <input checked="" type="checkbox"/> | R                     |                       |
| Event_Enable               | <input checked="" type="checkbox"/> | W                     |                       |
| Acked_Transitions          | <input checked="" type="checkbox"/> | R                     |                       |
| Time_Delay_Normal          | <input checked="" type="checkbox"/> | W                     |                       |
| Notification_Class         | <input checked="" type="checkbox"/> | W                     |                       |
| Event_Time_Stamps          | <input checked="" type="checkbox"/> | R                     |                       |
| Event_Message_Texts        | <input checked="" type="checkbox"/> | R                     |                       |
| Event_Message_Texts_Config | <input checked="" type="checkbox"/> | W                     |                       |
| Event_Algorithm_Inhibit    | <input checked="" type="checkbox"/> | W                     |                       |
| Status_Flags               | <input checked="" type="checkbox"/> | R                     |                       |
| Reliability                | <input checked="" type="checkbox"/> | R                     |                       |
| Profile_Name               | <input checked="" type="checkbox"/> | R                     |                       |

**File**

| Properties         | supported                           | Readable/<br>Writable | Range<br>restrictions |
|--------------------|-------------------------------------|-----------------------|-----------------------|
| Object_Identifier  | <input checked="" type="checkbox"/> | R                     |                       |
| Object_Name        | <input checked="" type="checkbox"/> | R                     |                       |
| Object_Type        | <input checked="" type="checkbox"/> | R                     |                       |
| Description        | <input checked="" type="checkbox"/> | R                     |                       |
| File_Type          | <input checked="" type="checkbox"/> | R                     |                       |
| File_Size          | <input checked="" type="checkbox"/> | R                     |                       |
| Modification_Date  | <input checked="" type="checkbox"/> | R                     |                       |
| Archive            | <input checked="" type="checkbox"/> | W                     |                       |
| Read_Only          | <input checked="" type="checkbox"/> | R                     |                       |
| File_Access_Method | <input checked="" type="checkbox"/> | R                     |                       |
| Record_Count       | <input type="checkbox"/>            |                       |                       |
| Profile_Name       | <input checked="" type="checkbox"/> | R                     |                       |

Loop

| Properties                     | supported                | Readable/<br>Writable | Range<br>restrictions |
|--------------------------------|--------------------------|-----------------------|-----------------------|
| Object_Identifier              | <input type="checkbox"/> | R                     |                       |
| Object_Name                    | <input type="checkbox"/> | R                     |                       |
| Object_Type                    | <input type="checkbox"/> | R                     |                       |
| Present_Value                  | <input type="checkbox"/> | W                     |                       |
| Description                    | <input type="checkbox"/> | R                     |                       |
| Status_Flags                   | <input type="checkbox"/> | R                     |                       |
| Event_State                    | <input type="checkbox"/> | R                     |                       |
| Reliability                    | <input type="checkbox"/> | R                     |                       |
| Out_Of_Service                 | <input type="checkbox"/> | W                     |                       |
| Update_Interval                | <input type="checkbox"/> | R                     |                       |
| Output_Units                   | <input type="checkbox"/> | R                     |                       |
| Manipulated_Variable_Reference | <input type="checkbox"/> | R                     |                       |
| Controlled_Variable_Reference  | <input type="checkbox"/> | R                     |                       |
| Controlled_Variable_Value      | <input type="checkbox"/> | R                     |                       |
| Controlled_Variable_Units      | <input type="checkbox"/> | R                     |                       |
| Setpoint_Reference             | <input type="checkbox"/> | R                     |                       |
| Setpoint                       | <input type="checkbox"/> | W                     |                       |
| Action                         | <input type="checkbox"/> | W                     |                       |
| Proportional_Constant          | <input type="checkbox"/> | W                     |                       |
| Proportional_Constant_Units    | <input type="checkbox"/> | R                     |                       |
| Integral_Constant              | <input type="checkbox"/> | W                     |                       |
| Integral_Constant_Units        | <input type="checkbox"/> | R                     |                       |
| Derivative_Constant            | <input type="checkbox"/> | W                     |                       |
| Derivative_Constant_Units      | <input type="checkbox"/> | R                     |                       |
| Bias                           | <input type="checkbox"/> | W                     |                       |
| Maximum_Output                 | <input type="checkbox"/> | W                     |                       |
| Minimum_Output                 | <input type="checkbox"/> | W                     |                       |
| Priority_For_Writing           | <input type="checkbox"/> | R                     |                       |
| COV_Increment                  | <input type="checkbox"/> | W                     |                       |
| Time_Delay                     | <input type="checkbox"/> | W                     |                       |
| Notification_Class             | <input type="checkbox"/> | W                     |                       |
| Error_Limit                    | <input type="checkbox"/> | W                     |                       |
| Deadband                       | <input type="checkbox"/> | W                     |                       |
| Event_Enable                   | <input type="checkbox"/> | W                     |                       |
| Acked_Transitions              | <input type="checkbox"/> | R                     |                       |
| Notify_Type                    | <input type="checkbox"/> | W                     |                       |
| Event_Time_Stamps              | <input type="checkbox"/> | R                     |                       |
| Profile_Name                   | <input type="checkbox"/> | R                     |                       |

**Multi-state Input**

| <b>Properties</b>  | <b>supported</b>         | <b>Readable/<br/>Writable</b> | <b>Range restrictions</b> |
|--------------------|--------------------------|-------------------------------|---------------------------|
| Object_Identifier  | <input type="checkbox"/> | R                             |                           |
| Object_Name        | <input type="checkbox"/> | R                             |                           |
| Object_Type        | <input type="checkbox"/> | R                             |                           |
| Present_Value      | <input type="checkbox"/> | R                             |                           |
| Description        | <input type="checkbox"/> | R                             |                           |
| Device_Type        | <input type="checkbox"/> | R                             |                           |
| Status_Flags       | <input type="checkbox"/> | R                             |                           |
| Event_State        | <input type="checkbox"/> | R                             |                           |
| Reliability        | <input type="checkbox"/> | R                             |                           |
| Out_Of_Service     | <input type="checkbox"/> | W                             |                           |
| Number_Of_States   | <input type="checkbox"/> | R                             |                           |
| State_Text         | <input type="checkbox"/> | R                             |                           |
| Time_Delay         | <input type="checkbox"/> | W                             |                           |
| Notification_Class | <input type="checkbox"/> | W                             |                           |
| Alarm_Values       | <input type="checkbox"/> | W                             |                           |
| Fault_Values       | <input type="checkbox"/> | R                             |                           |
| Event_Enable       | <input type="checkbox"/> | W                             |                           |
| Acked_Transitions  | <input type="checkbox"/> | R                             |                           |
| Notify_Type        | <input type="checkbox"/> | W                             |                           |
| Event_Time_Stamps  | <input type="checkbox"/> | R                             |                           |
| Profile_Name       | <input type="checkbox"/> | R                             |                           |

## Multi-state Output

| Properties         | supported                | Readable/<br>Writable | Range restrictions |
|--------------------|--------------------------|-----------------------|--------------------|
| Object_Identifier  | <input type="checkbox"/> | R                     |                    |
| Object_Name        | <input type="checkbox"/> | R                     |                    |
| Object_Type        | <input type="checkbox"/> | R                     |                    |
| Present_Value      | <input type="checkbox"/> | W                     |                    |
| Description        | <input type="checkbox"/> | R                     |                    |
| Device_Type        | <input type="checkbox"/> | R                     |                    |
| Status_Flags       | <input type="checkbox"/> | R                     |                    |
| Event_State        | <input type="checkbox"/> | R                     |                    |
| Reliability        | <input type="checkbox"/> | R                     |                    |
| Out_Of_Service     | <input type="checkbox"/> | W                     |                    |
| Number_Of_States   | <input type="checkbox"/> | R                     |                    |
| State_Text         | <input type="checkbox"/> | R                     |                    |
| Priority_Array     | <input type="checkbox"/> | R                     |                    |
| Relinquish_Default | <input type="checkbox"/> | W                     |                    |
| Time_Delay         | <input type="checkbox"/> | W                     |                    |
| Notification_Class | <input type="checkbox"/> | W                     |                    |
| Feedback_Value     | <input type="checkbox"/> | R                     |                    |
| Event_Enable       | <input type="checkbox"/> | W                     |                    |
| Acked_Transitions  | <input type="checkbox"/> | R                     |                    |
| Notify_Type        | <input type="checkbox"/> | W                     |                    |
| Event_Time_Stamps  | <input type="checkbox"/> | R                     |                    |
| Profile_Name       | <input type="checkbox"/> | R                     |                    |



**Multi-state Value**

| Properties         | supported                           | Readable/<br>Writable | Range restrictions |
|--------------------|-------------------------------------|-----------------------|--------------------|
| Object_Identifier  | <input checked="" type="checkbox"/> | R                     |                    |
| Object_Name        | <input checked="" type="checkbox"/> | R                     |                    |
| Object_Type        | <input checked="" type="checkbox"/> | R                     |                    |
| Present_Value      | <input checked="" type="checkbox"/> | W                     |                    |
| Description        | <input checked="" type="checkbox"/> | R                     |                    |
| Status_Flags       | <input checked="" type="checkbox"/> | R                     |                    |
| Event_State        | <input checked="" type="checkbox"/> | R                     |                    |
| Reliability        | <input checked="" type="checkbox"/> | R                     |                    |
| Out_Of_Service     | <input checked="" type="checkbox"/> | W                     |                    |
| Number_Of_States   | <input checked="" type="checkbox"/> | R                     |                    |
| State_Text         | <input checked="" type="checkbox"/> | R                     |                    |
| Priority_Array     | <input type="checkbox"/>            | R                     |                    |
| Relinquish_Default | <input type="checkbox"/>            | W                     |                    |
| Time_Delay         | <input type="checkbox"/>            | W                     |                    |
| Notification_Class | <input type="checkbox"/>            | W                     |                    |
| Alarm_Values       | <input type="checkbox"/>            | W                     |                    |
| Fault_Values       | <input type="checkbox"/>            | R                     |                    |
| Event_Enable       | <input type="checkbox"/>            | W                     |                    |
| Acked_Transitions  | <input type="checkbox"/>            | R                     |                    |
| Notify_Type        | <input type="checkbox"/>            | W                     |                    |
| Event_Time_Stamps  | <input type="checkbox"/>            | R                     |                    |
| Profile_Name       | <input checked="" type="checkbox"/> | R                     |                    |

**Notification Class**

| Properties         | supported                           | Readable/<br>Writable | Range restrictions |
|--------------------|-------------------------------------|-----------------------|--------------------|
| Object_Identifier  | <input checked="" type="checkbox"/> | R                     |                    |
| Object_Name        | <input checked="" type="checkbox"/> | R                     |                    |
| Object_Type        | <input checked="" type="checkbox"/> | R                     |                    |
| Description        | <input checked="" type="checkbox"/> | R                     |                    |
| Notification_Class | <input checked="" type="checkbox"/> | R                     |                    |
| Priority           | <input checked="" type="checkbox"/> | W                     |                    |
| Ack_Required       | <input checked="" type="checkbox"/> | R                     |                    |
| Recipient_List     | <input checked="" type="checkbox"/> | W                     |                    |
| Profile_Name       | <input checked="" type="checkbox"/> | R                     |                    |

**Schedule**

| <b>Properties</b>                  | <b>supported</b>         | <b>Readable/<br/>Writable</b> | <b>Range<br/>restrictions</b> |
|------------------------------------|--------------------------|-------------------------------|-------------------------------|
| Object_Identifier                  | <input type="checkbox"/> | R                             |                               |
| Object_Name                        | <input type="checkbox"/> | R                             |                               |
| Object_Type                        | <input type="checkbox"/> | R                             |                               |
| Present_Value                      | <input type="checkbox"/> | R                             |                               |
| Description                        | <input type="checkbox"/> | R                             |                               |
| Effective_Period                   | <input type="checkbox"/> | W                             |                               |
| Weekly_Schedule                    | <input type="checkbox"/> | W                             |                               |
| Exception_Schedule                 | <input type="checkbox"/> | W                             |                               |
| Schedule_Default                   | <input type="checkbox"/> | W                             |                               |
| List_Of_Object_Property_References | <input type="checkbox"/> | W                             |                               |
| Priority_For_Writing               | <input type="checkbox"/> | W                             |                               |
| Status_Flags                       | <input type="checkbox"/> | R                             |                               |
| Reliability                        | <input type="checkbox"/> | R                             |                               |
| Out_Of_Service                     | <input type="checkbox"/> | W                             |                               |
| Profile_Name                       | <input type="checkbox"/> | R                             |                               |

**Program**

| <b>Properties</b>   | <b>supported</b>         | <b>Readable/<br/>Writable</b> | <b>Range<br/>restrictions</b> |
|---------------------|--------------------------|-------------------------------|-------------------------------|
| Object_Identifier   | <input type="checkbox"/> | R                             |                               |
| Object_Name         | <input type="checkbox"/> | R                             |                               |
| Object_Type         | <input type="checkbox"/> | R                             |                               |
| Program_State       | <input type="checkbox"/> | R                             |                               |
| Program_Change      | <input type="checkbox"/> | W                             |                               |
| Reason_For_Halt     | <input type="checkbox"/> | R                             |                               |
| Description_Of_Halt | <input type="checkbox"/> | R                             |                               |
| Program_Location    | <input type="checkbox"/> | R                             |                               |
| Description         | <input type="checkbox"/> | R                             |                               |
| Instance_Of         | <input type="checkbox"/> | R                             |                               |
| Status_Flags        | <input type="checkbox"/> | R                             |                               |
| Reliability         | <input type="checkbox"/> | R                             |                               |
| Out_Of_Service      | <input type="checkbox"/> | R                             |                               |
| Profile_Name        | <input type="checkbox"/> | R                             |                               |

Trend Log

| Properties                  | supported                | Readable/<br>Writable | Range restrictions |
|-----------------------------|--------------------------|-----------------------|--------------------|
| Object_Identifier           | <input type="checkbox"/> | R                     |                    |
| Object_Name                 | <input type="checkbox"/> | R                     |                    |
| Object_Type                 | <input type="checkbox"/> | R                     |                    |
| Description                 | <input type="checkbox"/> | R                     |                    |
| Enable                      | <input type="checkbox"/> | W                     |                    |
| Start_Time                  | <input type="checkbox"/> | W                     |                    |
| Stop_Time                   | <input type="checkbox"/> | W                     |                    |
| Log_DeviceObjectProperty    | <input type="checkbox"/> | W                     |                    |
| Log_Interval                | <input type="checkbox"/> | W                     |                    |
| COV_Resubscription_Interval | <input type="checkbox"/> | W                     |                    |
| Client_COV_Increment        | <input type="checkbox"/> | W                     |                    |
| Stop_When_Full              | <input type="checkbox"/> | W                     |                    |
| Buffer_Size                 | <input type="checkbox"/> | W                     |                    |
| Log_Buffer                  | <input type="checkbox"/> | R                     |                    |
| Record_Count                | <input type="checkbox"/> | W                     |                    |
| Total_Record_Count          | <input type="checkbox"/> | R                     |                    |
| Notification_Threshold      | <input type="checkbox"/> | W                     |                    |
| Records_Since_Notification  | <input type="checkbox"/> | R                     |                    |
| Last_Notify_Record          | <input type="checkbox"/> | R                     |                    |
| Event_State                 | <input type="checkbox"/> | R                     |                    |
| Notification_Class          | <input type="checkbox"/> | W                     |                    |
| Event_Enable                | <input type="checkbox"/> | W                     |                    |
| Acked_Transitions           | <input type="checkbox"/> | R                     |                    |
| Notify_Type                 | <input type="checkbox"/> | W                     |                    |
| Event_Time_Stamps           | <input type="checkbox"/> | R                     |                    |
| Profile_Name                | <input type="checkbox"/> | R                     |                    |
| Logging_Type                | <input type="checkbox"/> | W                     |                    |
| Align_Intervals             | <input type="checkbox"/> | W                     |                    |
| Interval_Offset             | <input type="checkbox"/> | W                     |                    |
| Trigger                     | <input type="checkbox"/> | W                     |                    |
| Status_Flags                | <input type="checkbox"/> | R                     |                    |
| Reliability                 | <input type="checkbox"/> | R                     |                    |

**Accumulator**

| <b>Properties</b>         | <b>supported</b>         | <b>Readable/<br/>Writable</b> | <b>Range restrictions</b> |
|---------------------------|--------------------------|-------------------------------|---------------------------|
| Object_Identifier         | <input type="checkbox"/> | R                             |                           |
| Object_Name               | <input type="checkbox"/> | R                             |                           |
| Object_Type               | <input type="checkbox"/> | R                             |                           |
| Present_Value             | <input type="checkbox"/> | R                             |                           |
| Description               | <input type="checkbox"/> | R                             |                           |
| Device_Type               | <input type="checkbox"/> | R                             |                           |
| Status_Flags              | <input type="checkbox"/> | R                             |                           |
| Event_State               | <input type="checkbox"/> | R                             |                           |
| Reliability               | <input type="checkbox"/> | R                             |                           |
| Out_Of_Service            | <input type="checkbox"/> | W                             |                           |
| Scale                     | <input type="checkbox"/> | R                             |                           |
| Units                     | <input type="checkbox"/> | R                             |                           |
| Prescale                  | <input type="checkbox"/> | R                             |                           |
| Max_Pres_Value            | <input type="checkbox"/> | R                             |                           |
| Value_Change_Time         | <input type="checkbox"/> | R                             |                           |
| Value_Before_Change       | <input type="checkbox"/> | R                             |                           |
| Value_Set                 | <input type="checkbox"/> | W                             |                           |
| Logging_Record            | <input type="checkbox"/> | R                             |                           |
| Logging_Object            | <input type="checkbox"/> | R                             |                           |
| Pulse_Rate                | <input type="checkbox"/> | R                             |                           |
| High_Limit                | <input type="checkbox"/> | W                             |                           |
| Low_Limit                 | <input type="checkbox"/> | W                             |                           |
| Limit_Monitoring_Interval | <input type="checkbox"/> | W                             |                           |
| Notification_Class        | <input type="checkbox"/> | W                             |                           |
| Time_Delay                | <input type="checkbox"/> | W                             |                           |
| Limit_Enable              | <input type="checkbox"/> | R                             |                           |
| Event_Enable              | <input type="checkbox"/> | W                             |                           |
| Acked_Transitions         | <input type="checkbox"/> | R                             |                           |
| Notify_Type               | <input type="checkbox"/> | W                             |                           |
| Event_Time_Stamps         | <input type="checkbox"/> | R                             |                           |
| Profile_Name              | <input type="checkbox"/> | R                             |                           |

Pulse Converter

| Properties          | supported                | Readable/<br>Writable | Range restrictions |
|---------------------|--------------------------|-----------------------|--------------------|
| Object_Identifier   | <input type="checkbox"/> | R                     |                    |
| Object_Name         | <input type="checkbox"/> | R                     |                    |
| Object_Type         | <input type="checkbox"/> | R                     |                    |
| Description         | <input type="checkbox"/> | R                     |                    |
| Present_Value       | <input type="checkbox"/> | R                     |                    |
| Input_Reference     | <input type="checkbox"/> | R                     |                    |
| Status_Flags        | <input type="checkbox"/> | R                     |                    |
| Event_State         | <input type="checkbox"/> | R                     |                    |
| Reliability         | <input type="checkbox"/> | R                     |                    |
| Out_Of_Service      | <input type="checkbox"/> | W                     |                    |
| Units               | <input type="checkbox"/> | R                     |                    |
| Scale_Factor        | <input type="checkbox"/> | W                     |                    |
| Adjust_Value        | <input type="checkbox"/> | W                     |                    |
| Count               | <input type="checkbox"/> | R                     |                    |
| Update_Time         | <input type="checkbox"/> | R                     |                    |
| Count_Change_Time   | <input type="checkbox"/> | R                     |                    |
| Count_Before_Change | <input type="checkbox"/> | R                     |                    |
| COV_Increment       | <input type="checkbox"/> | W                     |                    |
| COV_Period          | <input type="checkbox"/> | W                     |                    |
| Notification_Class  | <input type="checkbox"/> | W                     |                    |
| Time_Delay          | <input type="checkbox"/> | W                     |                    |
| High_Limit          | <input type="checkbox"/> | W                     |                    |
| Low_Limit           | <input type="checkbox"/> | W                     |                    |
| Deadband            | <input type="checkbox"/> | W                     |                    |
| Limit_Enable        | <input type="checkbox"/> | W                     |                    |
| Event_Enable        | <input type="checkbox"/> | W                     |                    |
| Acked_Transitions   | <input type="checkbox"/> | R                     |                    |
| Notify_Type         | <input type="checkbox"/> | W                     |                    |
| Event_Time_Stamps   | <input type="checkbox"/> | R                     |                    |
| Profile_Name        | <input type="checkbox"/> | R                     |                    |

## Event Log

| Properties                 | supported                           | Readable/<br>Writable | Range restrictions |
|----------------------------|-------------------------------------|-----------------------|--------------------|
| Object_Identifier          | <input checked="" type="checkbox"/> | R                     |                    |
| Object_Name                | <input checked="" type="checkbox"/> | R                     |                    |
| Object_Type                | <input checked="" type="checkbox"/> | R                     |                    |
| Description                | <input checked="" type="checkbox"/> | R                     |                    |
| Status_Flags               | <input checked="" type="checkbox"/> | R                     |                    |
| Event_State                | <input checked="" type="checkbox"/> | R                     |                    |
| Reliability                | <input checked="" type="checkbox"/> | R                     |                    |
| Enable                     | <input checked="" type="checkbox"/> | W                     |                    |
| Start_Time                 | <input checked="" type="checkbox"/> | W                     |                    |
| Stop_Time                  | <input checked="" type="checkbox"/> | W                     |                    |
| Stop_When_Full             | <input checked="" type="checkbox"/> | W                     |                    |
| Buffer_Size                | <input checked="" type="checkbox"/> | W                     |                    |
| Log_Buffer                 | <input checked="" type="checkbox"/> | R                     |                    |
| Record_Count               | <input checked="" type="checkbox"/> | W                     |                    |
| Total_Record_Count         | <input checked="" type="checkbox"/> | R                     |                    |
| Notification_Threshold     | <input checked="" type="checkbox"/> | W                     |                    |
| Records_Since_Notification | <input checked="" type="checkbox"/> | R                     |                    |
| Last_Notify_Record         | <input checked="" type="checkbox"/> | R                     |                    |
| Notification_Class         | <input checked="" type="checkbox"/> | W                     |                    |
| Event_Enable               | <input checked="" type="checkbox"/> | W                     |                    |
| Acked_Transitions          | <input checked="" type="checkbox"/> | R                     |                    |
| Notify_Type                | <input checked="" type="checkbox"/> | W                     |                    |
| Event_Time_Stamps          | <input checked="" type="checkbox"/> | R                     |                    |
| Profile_Name               | <input checked="" type="checkbox"/> | R                     |                    |

Trend Log Multiple

| Properties                 | supported                | Readable/<br>Writable | Range restrictions |
|----------------------------|--------------------------|-----------------------|--------------------|
| Object_Identifier          | <input type="checkbox"/> | R                     |                    |
| Object_Name                | <input type="checkbox"/> | R                     |                    |
| Object_Type                | <input type="checkbox"/> | R                     |                    |
| Description                | <input type="checkbox"/> | R                     |                    |
| Status_Flags               | <input type="checkbox"/> | R                     |                    |
| Event_State                | <input type="checkbox"/> | R                     |                    |
| Reliability                | <input type="checkbox"/> | R                     |                    |
| Enable                     | <input type="checkbox"/> | W                     |                    |
| Start_Time                 | <input type="checkbox"/> | W                     |                    |
| Stop_Time                  | <input type="checkbox"/> | W                     |                    |
| Log_DeviceObjectProperty   | <input type="checkbox"/> | W                     |                    |
| Logging_Type               | <input type="checkbox"/> | W                     |                    |
| Log_Interval               | <input type="checkbox"/> | W                     |                    |
| Align_Intervals            | <input type="checkbox"/> | W                     |                    |
| Interval_Offset            | <input type="checkbox"/> | W                     |                    |
| Trigger                    | <input type="checkbox"/> | W                     |                    |
| Stop_When_Full             | <input type="checkbox"/> | W                     |                    |
| Buffer_Size                | <input type="checkbox"/> | W                     |                    |
| Log_Buffer                 | <input type="checkbox"/> | R                     |                    |
| Record_Count               | <input type="checkbox"/> | W                     |                    |
| Total_Record_Count         | <input type="checkbox"/> | R                     |                    |
| Notification_Threshold     | <input type="checkbox"/> | W                     |                    |
| Records_Since_Notification | <input type="checkbox"/> | R                     |                    |
| Last_Notify_Record         | <input type="checkbox"/> | R                     |                    |
| Notification_Class         | <input type="checkbox"/> | W                     |                    |
| Event_Enable               | <input type="checkbox"/> | W                     |                    |
| Acked_Transitions          | <input type="checkbox"/> | R                     |                    |
| Notify_Type                | <input type="checkbox"/> | W                     |                    |
| Event_Time_Stamps          | <input type="checkbox"/> | R                     |                    |
| Profile_Name               | <input type="checkbox"/> | R                     |                    |



## Load Control

| Properties               | supported                | Readable/<br>Writable | Range restrictions |
|--------------------------|--------------------------|-----------------------|--------------------|
| Object_Identifier        | <input type="checkbox"/> | R                     |                    |
| Object_Name              | <input type="checkbox"/> | R                     |                    |
| Object_Type              | <input type="checkbox"/> | R                     |                    |
| Description              | <input type="checkbox"/> | R                     |                    |
| Present_Value            | <input type="checkbox"/> | R                     |                    |
| State_Description        | <input type="checkbox"/> | R                     |                    |
| Status_Flags             | <input type="checkbox"/> | R                     |                    |
| Event_State              | <input type="checkbox"/> | R                     |                    |
| Reliability              | <input type="checkbox"/> | R                     |                    |
| Requested_Shed_Level     | <input type="checkbox"/> | W                     |                    |
| Start_Time               | <input type="checkbox"/> | W                     |                    |
| Shed_Duration            | <input type="checkbox"/> | W                     |                    |
| Duty_Window              | <input type="checkbox"/> | W                     |                    |
| Enable                   | <input type="checkbox"/> | W                     |                    |
| Full_Duty_Baseline       | <input type="checkbox"/> | R                     |                    |
| Expected_Shed_Level      | <input type="checkbox"/> | R                     |                    |
| Actual_Shed_Level        | <input type="checkbox"/> | R                     |                    |
| Shed_Levels              | <input type="checkbox"/> | W                     |                    |
| Shed_Levels_Descriptions | <input type="checkbox"/> | W                     |                    |
| Notification_Class       | <input type="checkbox"/> | W                     |                    |
| Time_Delay               | <input type="checkbox"/> | W                     |                    |
| Event_Enable             | <input type="checkbox"/> | W                     |                    |
| Acked_Transitions        | <input type="checkbox"/> | R                     |                    |
| Notify_Type              | <input type="checkbox"/> | W                     |                    |
| Event_Time_Stamps        | <input type="checkbox"/> | R                     |                    |
| Profile_Name             | <input type="checkbox"/> | R                     |                    |

## Structured View

| Properties              | supported                           | Readable/<br>Writable | Range restrictions |
|-------------------------|-------------------------------------|-----------------------|--------------------|
| Object_Identifier       | <input checked="" type="checkbox"/> | R                     |                    |
| Object_Name             | <input checked="" type="checkbox"/> | R                     |                    |
| Object_Type             | <input checked="" type="checkbox"/> | R                     |                    |
| Description             | <input checked="" type="checkbox"/> | R                     |                    |
| Node_Type               | <input checked="" type="checkbox"/> | R                     |                    |
| Node_Subtype            | <input checked="" type="checkbox"/> | R                     |                    |
| Subordinate_List        | <input checked="" type="checkbox"/> | R                     |                    |
| Subordinate_Annotations | <input checked="" type="checkbox"/> | R                     |                    |
| Profile_Name            | <input checked="" type="checkbox"/> | R                     |                    |

## Alert Enrollment

| Properties                 | Supported                           | Readable/<br>Writable | Range<br>restrictions |
|----------------------------|-------------------------------------|-----------------------|-----------------------|
| Object_Identifier          | <input checked="" type="checkbox"/> | R                     |                       |
| Object_Name                | <input checked="" type="checkbox"/> | W                     |                       |
| Object_Type                | <input checked="" type="checkbox"/> | R                     |                       |
| Description                | <input checked="" type="checkbox"/> | W                     |                       |
| Present_Value              | <input checked="" type="checkbox"/> | R                     |                       |
| Notify_Type                | <input checked="" type="checkbox"/> | W                     |                       |
| Event_State                | <input checked="" type="checkbox"/> | R                     |                       |
| Event_Enable               | <input checked="" type="checkbox"/> | W                     |                       |
| Event_Detection_Enable     | <input checked="" type="checkbox"/> | W                     |                       |
| Acked_Transitions          | <input checked="" type="checkbox"/> | R                     |                       |
| Notification_Class         | <input checked="" type="checkbox"/> | W                     |                       |
| Event_Time_Stamps          | <input checked="" type="checkbox"/> | R                     |                       |
| Event_Message_Texts        | <input checked="" type="checkbox"/> | R                     |                       |
| Event_Message_Texts_Config | <input checked="" type="checkbox"/> | W                     |                       |
| Event_Algorithm_Inhibit    | <input checked="" type="checkbox"/> | W                     |                       |
| Profile_Name               | <input checked="" type="checkbox"/> | R                     |                       |

## 1.5 Segmentation Capability

|                                     |                                     |             |    |
|-------------------------------------|-------------------------------------|-------------|----|
| <input checked="" type="checkbox"/> | Able to transmit segmented messages | Window size | 32 |
| <input checked="" type="checkbox"/> | Able to receive segmented messages  | Window size | 32 |

## 1.6 Data Link Layer Options

The simultaneously supported Data Link Layers of a product are listed with the product model number.

|                                     |  |   |
|-------------------------------------|--|---|
| <input type="checkbox"/>            | ARCNET (ATA 878.1), 2.5 Mb. (Clause 8)                               |   |
| <input type="checkbox"/>            | ARCNET (ATA 878.1), EIA-485 (Clause 8),<br>baud rate(s)              |   |
| <input type="checkbox"/>            | BACnet IP, (Annex J)   |   |
| <input checked="" type="checkbox"/> | BACnet IP, (Annex J),<br>BACnet Broadcast Management Device (BBMD)   | BDT entries:<br>FDT entries:                        |
| <input type="checkbox"/>            | BACnet IP, (Annex J),<br>Network Address Translation (NAT Traversal) |   |
| <input type="checkbox"/>            | BACnet IPv6, (Annex U)   |   |
| <input type="checkbox"/>            | BACnet IPv6, (Annex U),<br>BACnet Broadcast Management Device (BBMD) | BDT entries:<br>FDT entries:                        |
| <input type="checkbox"/>            | BACnet/ZigBee (Annex O)  |   |
| <input type="checkbox"/>            | Ethernet, ISO 8802-3 (Clause 7)                                      |   |
| <input type="checkbox"/>            | LonTalk, ISO/IEC 14908.1 (Clause 11), medium:                        | : TP/FT-10  |
| <input type="checkbox"/>            | ISO 8802-3, Ethernet (Clause 7)                                      |   |
| <input type="checkbox"/>            | MS/TP master (Clause 9), baud rate(s):                               | : 9600<br>: 19200<br>: 38400<br>: 76800<br>: 115200 |
| <input type="checkbox"/>            | MS/TP slave (Clause 9), baud rate(s)                                 |   |
| <input type="checkbox"/>            | Point-To-Point, EIA 232 (Clause 10), baud rate(s)                    | : 38400   |
| <input type="checkbox"/>            | Point-To-Point, modem, (Clause 10), baud rate(s)                     | : 38400   |
| <input type="checkbox"/>            | Other  |   |

## 1.7 Device Address Binding

|                                     |   |                             |
|-------------------------------------|---|-----------------------------|
| Is static device binding supported? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
|-------------------------------------|---|-----------------------------|

## 1.8 Networking Options

|                          |  |
|--------------------------|--|
| <input type="checkbox"/> | Router, Clause 6 - List all routing configurations,<br>e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc. |
| <input type="checkbox"/> | Annex H, BACnet Tunnelling Router over IP  |

## 1.9 Character Sets Supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

|   |   |                                     |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> ISO 10646 (UTF-8) | <input type="checkbox"/> IBM / Microsoft DBCS | <input type="checkbox"/> ISO 8859-1 |
| <input type="checkbox"/> ISO 10646 (UCS-2)            | <input type="checkbox"/> ISO 10646 (UCS-4)    | <input type="checkbox"/> JIS X 0208 |

## 1.10 Gateway Options

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

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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.

## 1.11 Network Security Options

|                          |   |
|--------------------------|---|
| <input type="checkbox"/> | Non-secure Device - is capable of operating without BACnet Network Security |
| <input type="checkbox"/> | Secure Device - is capable of using BACnet Network Security (NS-SD BIBB)    |
| <input type="checkbox"/> | Multiple Application-Specific Keys  |
| <input type="checkbox"/> | Supports encryption (NS-ED BIBB)  |
| <input type="checkbox"/> | Key Server (NS-KS BIBB)   |