



BACnet is a registered trademark of ASHRAE. ASHRAE does not endorse, approve or test products for compliance with ASHRAE standards. Compliance of listed products to the requirements of ASHRAE Standard 135 is the responsibility of BACnet International. BTL is a registered trademark of BACnet International.

## BACnet Testing Laboratories Product Listing

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

### Listing Information (BTL-30075)

|   |                          |                |
|---|--------------------------|----------------|
| Vendor  |                          | Listing Status |
| Delta Controls<br>17850 56 <sup>th</sup> Ave<br>Surrey, BC<br>Canada, V3S 1C7 |                          | Listed Product |
| Test Requirements   | BACnet Protocol Revision | Date Tested    |
| Requirements as of December 2011  | Revision 6 (135-2004f)   | April 2013     |

|                    |              |                  |
|--------------------|--------------|------------------|
| Product Name       | Model Number | Software Version |
| ORCAweb Web Server | DWS-340      | 3.40R2           |

### Device Profiles

|                                     |               |
|-------------------------------------|---------------|
| Profile                             | Model Numbers |
| BACnet Operator Workstation (B-OWS) | DWS-340       |

## BIBBs Supported

|                   |                         |          |
|-------------------|-------------------------|----------|
| Data Sharing      | ReadProperty-A          | DS-RP-A  |
|                   | ReadProperty-B          | DS-RP-B  |
|                   | ReadPropertyMultiple-A  | DS-RPM-A |
|                   | ReadPropertyMultiple-B  | DS-RPM-B |
|                   | WriteProperty-A         | DS-WP-A  |
|                   | WriteProperty-B         | DS-WP-B  |
|                   | WritePropertyMultiple-A | DS-WPM-A |
|                   | WritePropertyMultiple-B | DS-WPM-B |
|                   | COV-A                   | DS-COV-A |
|                   | COV-B                   | DS-COV-B |
|                   | View-A                  | DS-V-A   |
|                   | Advanced View-A         | DS-AV-A  |
|                   | Modify-A                | DS-M-A   |
| Advanced Modify-A | DS-AM-A                 |          |

|                              |                               |           |
|------------------------------|-------------------------------|-----------|
| Alarm and Event Notification | Notification-A                | AE-N-A    |
|                              | Notification Internal-B       | AE-N-I-B  |
|                              | Notification External-B       | AE-N-E-B  |
|                              | ACK-A                         | AE-ACK-A  |
|                              | ACK-B                         | AE-ACK-B  |
|                              | Alarm Summary-B               | AE-ASUM-B |
|                              | Enrollment Summary-B          | AE-ESUM-B |
|                              | Information B                 | AE-INFO-B |
|                              | View Notifications-A          | AE-VN-A   |
|                              | Advanced View Notifications-A | AE-AVN-A  |
|                              | View and Modify-A             | AE-VM-A   |
|                              | Alarm Summary View-A          | AE-AS-A   |

|            |                   |            |
|------------|-------------------|------------|
| Scheduling | Internal-B        | SCHED-I-B  |
|            | External-B        | SCHED-E-B  |
|            | View and Modify-A | SCHED-VM-A |
|            | Weekly Schedule-A | SCHED-WS-A |

|          |                                    |           |
|----------|------------------------------------|-----------|
| Trending | Viewing and Modifying - Internal-B | T-VMT-I-B |
|          | Viewing and Modifying - External-B | T-VMT-E-B |
|          | Automated Trend Retrieval-A        | T-ATR-A   |
|          | Automated Trend Retrieval-B        | T-ATR-B   |
|          | View-A                             | T-V-A     |

|                               |                                  |          |
|-------------------------------|----------------------------------|----------|
| Device and Network Management | Dynamic Device Binding-A         | DM-DDB-A |
|                               | Dynamic Device Binding-B         | DM-DDB-B |
|                               | Dynamic Object Binding-B         | DM-DOB-B |
|                               | DeviceCommunicationControl-B     | DM-DCC-B |
|                               | TimeSynchronization-A            | DM-TS-A  |
|                               | UTCTimeSynchronization-A         | DM-UTC-A |
|                               | UTCTimeSynchronization-B         | DM-UTC-B |
|                               | List Manipulation-B              | DM-LM-B  |
|                               | Object Creation and Deletion-B   | DM-OCD-B |
|                               | Automatic Network Mapping-A      | DM-ANM-A |
|                               | Automatic Device Mapping-A       | DM-ADM-A |
|                               | Automatic Time Synchronization-A | DM-ATS-A |
|                               | Manual Time Synchronization-A    | DM-MTS-A |

### Object Type Support

|                    |               |                   |
|--------------------|---------------|-------------------|
| Analog Input       | Analog Output | Analog Value      |
| Binary Input       | Binary Output | Binary Value      |
| Calendar           | Device        | Event Enrollment  |
| File               | Loop          | Multi-State Value |
| Notification Class | Program       | Schedule          |
| Trend Log          |               |                   |

### Data Link Layer Options

| Media                | Options |
|----------------------|---------|
| BACnet IP (Annex J)  |         |
| Ethernet, ISO 8802-3 |         |

### Character Set Support

|           |
|-----------|
| ANSI X3.4 |
|-----------|