

## CBM and CBT BTL Listing update

Issue Date: April 9th 2018

Product: CBM, CBT

Product Version: 7.8.1

### Summary

---

**CBM** and **CBT** products are now **BTL** Listed Advanced Application Controllers.

### Background

---

The latest feature set for **CBM/CBT** firmware has given the products full B-AAC capabilities. This has been verified with **BTL**.

### Features and Installation

---

The following **CBM** products are verified by BTL as being BACnet Advanced Application Controllers :

CBM Series **CBM08**, **CBM12**, **CBM16**, **CBM24**, **CBM24K**, **CBM24LC**

The following **CBT** products are verified by BTL as being BACnet Advanced Application Controllers :

CBT Series **CBT12**, **CBT12iVAV**, **CBT14**

The **CBR/MOD** product has been added to the BACnet Application Specific Controller listing.

### Changes

In order to conform to the requirements of BACnet Application Specific Controller, the following changes have been made to the **CBM** and **CBT** firmware:

#### General Functionality

- The services supported and those claimed by the Device Object have been synchronized to AAC conformance of BACnet protocol revision 14.
- Repealed hardware overrides are now immediately saved to flash to prevent them recurring after a power cycle.

#### General BACnet Functionality

- Stronger Duplicate Name checks were implemented and tied to the database index property
- Bad Packet Rejection messages have been prioritized for BACnet revision 14.
- Who Has Routines now also work for numeric searches.
- Reinitialize Device commands now supersede Device Communication Control overrides.



### Object and Property

- “Property List” variable and functionality has been added to all objects.
- Conditionally Required properties are now permanently fixed as Optional properties.
- File Archive Dates are now updated on every write and clear.

### Alarming

- Get Event Summary and Get Alarm Summary services were completely updated to eliminate encoding issues.
- The variable “Event Detection Enable” has been added.
- The Binary Output variable “Alarm Value” has been removed.

### COV

- Status Flag changes can now generate alarms on their own.
- Cancelling a previously cancelled COV now results in an “ack”.
- Bitstring data is now correctly encoded in outgoing COV packets.

### Trending (Read Range Service)

- No Range Specified range requests are now supported.
- Reverse Sequence range requests are now supported.
- Start & Stop time error messages are now part of the trendlog database.

### Time & Scheduling

- Manual writes to the Local Date and Local Time variables in the Device object now cause all schedules to immediately recalculated.
- Many date and time wildcard variables have been declared illegal in BACnet revision 14
  - Front ends and configuration tools that send wildcards for milliseconds now have their packets rejected
  - EC and NBPro were updated earlier this year to support this change

### SmartStat

- Changing a setpoint now triggers an immediate screen refresh.

### Meter

- CBM Total count values in meter module no longer lost after power down or when service port is disconnected

## Customer Impact

Cylon BACnet Field Controllers can be used in all BACnet Advanced Application Controller applications.