

# ***E50H5/E50H5A BACNET PROTOCOL INFORMATION CONFORMANCE STATEMENT (PICS)***

Date: May 8, 2014

Vendor Name: Veris Industries

Product Name: Veris E50Hx Energy Meter OR Veris E50HxA Energy Meter

Product Model Number: E50Hx OR E50HxA

Application Software Version: 1

Firmware Revision: 1.0

BACnet Protocol Revision: 4

Product Description: Three-phase electrical energy meter

**BACnet Standardized Device Profile (Annex L):** BACnet Application Specific Controller (B-ASC)

**List all BACnet Interoperability Building Blocks Supported (Annex K):** DS-RP-B, DS-RPM-B, DS-WP-B, DM-DDB-B, DM-DOB-B, DM-DCC-B, T-VMT-I-B (E50H5 only), DM-TS-B, DM-RD-B

**Segmentation Capability:** Segmentation not supported

**Standard Object Types Supported:** No dynamic Creation or Deletion supported; no proprietary properties or object types

1. Device Object:

Optional Properties Supported: Max\_Master, Max\_Info\_Frames, Description, Location, Local\_Time, Local\_Date

Writable Properties: Object\_Identifier, Object\_Name, Max\_Master, Location

Property Range Restrictions: Object\_Identifier – May only write values from 1 to 4,193,999; Location – (limited to 64 characters); Max\_Master – May only write values from 1 to 127

2. Analog\_Input Objects:

Optional Properties Supported: Description, Reliability

No Writable Properties.

3. Analog\_Value Objects:

Optional Properties Supported: Description, Reliability

Writable Properties: Only the Present\_Value is writable.

Property Range Restrictions:

AV1: May only write 30078, 21211, 21212 and 16498.

AV2: May only write 10, 11, 12, 31 and 40.

AV3: May only write values from 5 to 32000.

AV4: May only write values 1 and 3.

AV5: May only write values from 0.01 to 320.0

AV6: May only write values such that AV6/AV5 is from 82 to 660 (absolute range is 82-32000). To ensure AV6 accepts/rejects the proper values, set AV5 first.

AV7: May only write values 0 and 1.

AV8: May only write values from 1 to 99.

AV9: May only write values from 1 to 99.

AV10: May only write values from 1 to 6.

AV11: May only write the value 0 or a value from 1000 to 3276700 in multiples of 100.

The Record\_Count of the Trend\_Logs (TL1 to TL3) is reset when this object is written (E50H5 only).

**4. Binary\_Input Objects:**

Optional Properties Supported: Description, Reliability

No Writable Properties

**5. Trend\_Log Objects (E50H5/E50H5A only):**

Optional Properties Supported: Description,

Writable Properties: Log\_Enable, Start\_Time, Stop\_Time, Log\_DeviceObjectProperty, Log\_Interval, Stop\_When\_Full, Record\_Count

Property Range Restrictions:

Log\_DeviceObjectProperty: May only be set to the Present\_Value of local objects AI1 through AI75 (only the Present\_Value of objects AI1 through AI75 may be logged).

Log\_Interval: May only write the value 0 or values from 1000 to 3276700 in multiples of 100.

**Data Link Layer Options:** MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 76800, 115200

**Device Address Binding:** Static device binding is not supported. (No client functionality is included).

**Networking Options:** None

**Character Sets Supported:** ANSI X3.4