IEEE P1722.1-REV New AECP AEM Control Types

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A barometric pressure sensor source or sink

any linear or array value type that provides sufficient range and resolution for the implementation

In units of PASCALS
VENDOR_URL

- URL pointing to the Vendor’s webpage
- CONTROL_UTF8 value type
- UNITLESS unit.
ENTITY_URL

- URL pointing to the product webpage
- CONTROL_UTF8 value type
- UNITLESS unit.
CONFIGURATION_URL

- URL pointing to the configuration page for the Entity (e.g. built in web server providing a config page)
- CONTROL_UTF8 value type
- UNITLESS unit.
**OTHER_URL**

- Generic URL whose use is context dependent (i.e. isn’t a vendor, entity or configuration URL)
- CONTROL_UTF8 value type
- UNITLESS unit.
**FAULT**

- Indicates if an entity has what it considers to be a fault state
- Single LINEAR_UINT8 type with 2 possible settings 0, and 255 (a.k.a. a boolean)
- UNITLESS unit type
CONTROLLER_TARGET_ENTITY

- The Entity ID of the target for the commands of a control
- LINEAR_UINT64 type (it’s an EUI-64)
- UNITLESS unit type
CONTROLLER_TARGET_OBJECT

- The object to which the controller targets the GET/SET_CONTROL commands
- 2 LINEAR_UINT16 type values (the descriptor_type and descriptor_index)
- UNITLESS unit type
LATENCY_COMPENSATION

- A delay control used for compensating for the different latencies through different devices (between the AVTP timing reference planes and the Jacks)

- any linear or array value type that provides sufficient range and resolution for the implementation

- Any of the TIME unit quantities
PORT_OPERATIONAL_STATUS

- Indicates if a port is operational for the devices intended purpose
- Single LINEAR_UINT8 type with 2 possible settings 0 (link down), and 255(link up)
- UNITLESS unit type
- Read only
PORT_MODE_OPTIONS/PORT_MODE_STATUS

- Defines the physical speed/duplex and media type for a port
- SELECTOR_UINT16 value type
  - Enumerated list of media options
- UNITLESS unit type
GPTP_NEIGHBORPROPDELAYTHRESH

- The gPTP variables
  - `ieee8021AsPortDSNeighborPropDelayThreshHs`
  - `ieee8021AsPortDSNeighborPropDelayThreshMs`
  - `ieee8021AsPortDSNeighborPropDelayThreshLs`

- 3 LINEAR_UINT32 value types
- Units are seconds set for $2^{-16}$ nanoseconds
GPTP_NEIGHBORRATERATIO

- gPTP_ieee8021AsPortDSNeighborRateRatio
- Read Only
- Single LINEAR_INT32
- Units TBD
GPTP_INTERVALS

- gPTP message intervals
- Three LINEAR_INT8 values, range -128 to 127
- UNITLESS
BAUD_RATE

- Sets the Baud Rate of a serial stream
- SELECTOR_UINT32 value
- Units of BITS_PER_SEC
SERIAL_BIT_WIDTH

- The number of bits in a byte
- SELECTOR_UINT8 value type
- Units of BITS
PARITY

- What parity is being used
- SELECTOR_UINT8 type with 3 possible settings None, Even and Odd
- UNITLESS unit type
STOP_BITS

- How many stop bits are in use
- Single LINEAR_UINT8 type with 3 possible settings 10, 15 and 20
- Unit type of BITS with multiplier of -1 (/10)