



IEEE P1722.1

The case for renaming Control Values to Parameters

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The Issue

- 1722.1 Control descriptors currently have fields called “values”.
- These values have properties of current_value, maximum value, minimum value.
- It gets a bit confusing with all these “values of values” in the standard

Example

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7.2.17.2.1. Values Format for Linear Value Types (CONTROL_LINEAR_INT8 to CONTROL_LINEAR_DOUBLE)

The `value_details` field of the CONTROL descriptor contains one or more entries. Most controls will typically have only one value, but some control types may have more. Sizes and types are dependent on the value of the `control_value_type` field. Offsets are based on the start of the `value_details` field.

Table 7.34.

Offset (octets)	Length (octets)	Name	Description
0	V	minimum_value[0]	The minimum value that control value [0] may be set to.
V	V	maximum_value[0]	The maximum value that control value [0] may be set to.
2V	V	step[0]	The amount the control value changes between each step of the control value [0].
3V	V	default_value[0]	The default setting of the control value [0].
4V	V	current_value[0]	The current setting of the control value [0].
5V	2	unit[0]	The unit of control value [0], see Section 7.3.3, "Control Value Units" for valid units.
5V+2	2	string[0]	The localized string reference pointing to the localized value name of value [0]. See Section 7.3.5, "Localized String Reference".

Proposal

- Change the word Value to Parameter.

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Parameter

Parameter

7.2.17.2.1. ~~Values~~ format for Linear ~~Value~~ Types (CONTROL_LINEAR_INT8 to CONTROL_LINEAR_DOUBLE)

parameter_details

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parameter_details_type

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The End