# WG13 Issues - CIM Issues #5973

## CIM-61850 Harmonization - consider Measurement classes with multiple values (vector, Wye ...)

09/21/2022 03:34 AM - Tom Berry

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|---|---|---|---|
| **Status:** | New | | |
| **Priority:** | Low | | |
| **Target version:** | | | |
| **Author/Contact Info:** | Tom Berry | **Standard(s):** | |
| **Base Release:** | | **Version:** | |
| **Solution to be Applied To:** | | **Clause:** | |
| **Solution Version:** | | **Sub-Clause:** | |
| **Solution Applied By:** | | **Paragraph:** | |
| **Completion Date:** | | **Table:** | |
| **CIM Keywords:** | | **Originally Closed in Version:** | |
| **Breaking Change:** | | **Origination Date:** | 03/19/2018 |
| **Breaking Change Description:** | | **Origination ID:** | |
| **CIM Impacted Groups:** | None | **Originally Assigned To:** | |
| **Requestor:** | Tom Berry | | |

**Description**

IEC TS 62361-102 Recommendation R17:

IEC 61850 (and newer protocols) can provide measured values as a set of values.

Recommendation R17: Add additional CIM measurement classes to hold multiple measured values with the same timestamp and quality.
These classes would be similar to the SvPowerFlow or SvVoltage classes for state variables.
For example:

- MeasurementVector would have attributes “magnitude” and “angle” and would correspond to the CMV common data class.
- MeasurementComplexValue would have attributes “real” and “imaginary” and would typically be used to hold values for real and reactive power.

### History

**#1 - 09/21/2022 03:36 AM - Tom Berry**

*- Origination Date changed from 03/19/2022 to 03/19/2018*