



CimWay - IEC 61850 MICS

Description: This document contains Model Implementation Conformance Statement of the CimWay built-in client driver for IEC 61850.

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Keywords: CimWay, IEC 61850, PICS, PIXIT, MICS, TICS

Last Revision Date: 5 November 2020

The last revision of the technical content accommodates changes in PcVue 11. Unless otherwise stated, this document is valid for releases made publicly available since.

ISO 9001 and ISO 14001 certified



Authorization

	Name	Date
Written by	JSB	June 15 th , 2013
Checked by	BL	August 14 th , 2013
Authorized by	AB	August 14 th , 2013

Revision history

Revision	Author	Action	Editing	Date	Distribution
2.0	BL	Editorial changes - PcVue 11 release		November, 8 th 2013	Public
2.1	BL	Editorial changes		November, 5 th 2020	Public

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1 Introduction

This document specifies the Model Implementation Conformance Statement (MICS) of the CimWay built-in driver for IEC 61850, further referred to as "the Client".

Together with the PICS, PIXIT and TICS, the MICS forms the basis for conformance testing according to IEC 61850-10.

The following documents are available separately:

- The Protocol Implementation Conformance Statement (PICS),
- The Protocol Implementation eXtra Information for Testing (PIXIT),
- The Model Implementation Conformance Statement (MICS),
- The Tissues Implementation Conformance Statement (TICS).

2 Common Data Class Extensions

2.1 Supported common data classes

The Client can map the attributes of the following Data Classes.

Common data class specifications for status information

- Single point status (SPS)
- Double point status (DPS)
- Integer status (INS)
- Enumerated status (ENS)
- Protection activation information (ACT)
- Directional protection activation information (ACD)
- Security violation counting (SEC)
- Binary counter reading (BCR)
- Histogram (HST)
- Visible string status (VSS)

Common data class specifications for measurand information

- Measured value (MV)
- Complex measured value (CMV)
- Sampled value (SAV)
- Phase to ground/neutral related measured values of a three-phase system (WYE)
- Phase to phase related measured values of a three-phase system (DEL)
- Sequence (SEQ)
- Harmonic value (HMV)
- Harmonic value for WYE (HWYE)
- Harmonic value for DEL (HDEL)

Common data class specifications for controls

- Controllable single point (SPC)
- Controllable double point (DPC)
- Controllable integer status (INC)
- Controllable enumerated status (ENC)
- Binary controlled step position information (BSC)
- Integer controlled step position information (ISC)
- Controllable analogue process value (APC)
- Binary controlled analog process value (BAC)

Common data class specifications for status settings

- Single point setting (SPG)
- Integer status setting (ING)
- Enumerated status setting (ENG)
- Object reference setting (ORG)
- Time setting group (TSG)
- Currency setting group (CUG)
- Visible string setting (VSG)

Common data class specifications for analogue settings

- Analogue setting (ASG)
- Setting curve (CURVE)
- Curve shape setting (CSG)

Common data class specifications for description information

- Device name plate (DPL)
- Logical node name plate (LPL)
- Curve shape description (CSD)

2.2 Unsupported common data classes

Not stated.