Model Implementation Conformance Statement

for the IEC 61850 interface in SEL-2440

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UCA International Users Group

Testing Sub Committee

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Schweitzer Engineering Laboratories, Inc.

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1. Introduction

This model implementation conformance statement is applicable for SEL-2440 and SEL-2440-0, with firmware R207:

This MICS document specifies the modelling extensions compared to IEC 61850 edition 1. For the exact details on the standardized model please compare the ICD substation configuration file: "02440 003.ICD", version R106.

Clause 2 contains the list of implemented logical nodes.
Clause 3 describes the extended logical nodes.

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2. Logical Nodes List

The following table contains the list of logical nodes implemented in the device:

L: System Logical Nodes
LPHD (Physical device information)
LLN0 (Logical node zero)
G: Logical Nodes for generic references
GGIO (Generic process I/O)

3. Logical Node Extensions

The following table use

- M : Data is mandatory in the IEC-61850-7-4.
- O: Data is optional in the IEC-61850-7-4 and is used in the device.
- E: Data is an extension to the IEC-61850-7-4.

3.1. Extended Logical Nodes

The following logical nodes have been extended with extra data. All extra data has been highlighted in the tables and marked as "E" (Extended), these data contains the "dataNs" attribute.

3.1.1   GGIO Generic Process I/O

GGIO class				
Attribute Name	Attribute Type	Explanation	M/O/E	Remarks
Measured Values				
Ra	MV	Remote analog	E	

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