



The Standards Based Integration Company

Systems Integration Specialists Company, Inc.
6605 19½ Mile Road
Sterling Heights, MI 48314-1408 USA
Tel: +586-254-0020 Fax: +586-254-0053
E-Mail: info@sisconet.com
URL: http://www.sisconet.com

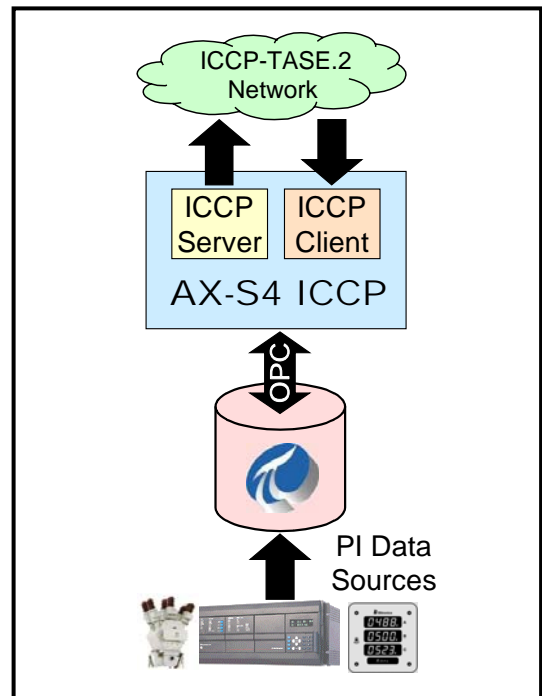
ICCP-TASE.2 Client and Server integrates with the OSIsoft™ PI System

Description

Users of OSIsoft's PI System (PI) now have the capability to take data from the PI Server and send it to remote ICCP clients using SISCO's AX-S4 ICCP product. The solution combines PI output, the OSIsoft OPC client, and AX-S4 ICCP. The PI OPC Client writes output point data to the AX-S4 ICCP OPC server. This data is mapped into ICCP server variables within AX-S4 ICCP. AX-S4 ICCP handles all the communications required to transmit these server variables to the ICCP clients that are able to receive them based on the configuration of the bilateral tables contained within AX-S4 ICCP. No programming is needed for ICCP block 1 and 2 transactions.

AX-S4 ICCP is an off-the-shelf OPC server that provides ICCP client and server functions for ICCP Blocks 1, 2, 4 and 5 per IEC60870-6 TASE.2. The OLE for Process Control (OPC) standard enables AX-S4 ICCP to offer "plug-in" access to ICCP for any OPC client enabled product like the OSIsoft PI System. AX-S4 ICCP supports import and export of ICCP bilateral table data using XML encoded files. AX-S4 ICCP works seamlessly with the PI OPC client and OPC configurator to provide for easy setup and maintenance.

Support for redundancy in AX-S4 ICCP and PI enables high-availability solutions using automatic failover.



Features

- ❑ Historizes ICCP data received from remote ICCP servers.
- ❑ Utilizes PI output points to send data to remote ICCP clients.
- ❑ Supports redundant configurations.
- ❑ Supports both ICCP client and server functions.
- ❑ No programming needed for ICCP Block 1 and 2 functions.
- ❑ Can work with or without the SISCO PI Server adapter to bring power system models into PI using the PI MDB.



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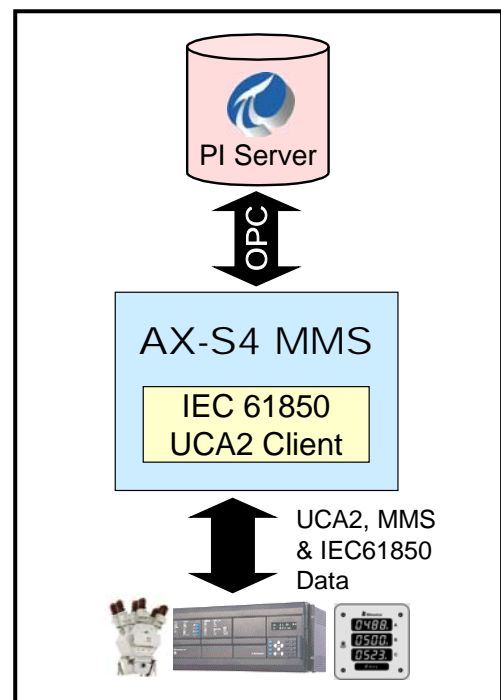
UCA[®] 2- IEC61850 Support for the OSIsoft[™] PI System

Description

Storing data in OSIsoft's PI System from Utility Communications Architecture (UCA2 per IEEE TR1550) and IEC61850 compatible Ethernet devices is easily accomplished using SISCO's AX-S4 MMS product and the OSIsoft OPC client for PI. AX-S4 MMS is an OPC server for UCA2/IEC61850 that supports all the important functions needed for data access and control of UCA2 compatible substation devices including relays, meters, RTUs, and data concentrators.

Features

- ❑ Supports UCA2 , IEC61850 and the Manufacturing Message Specification (MMS) per ISO9506.
- ❑ Supports high-speed peer-to-peer Generic Object Oriented Substation Event (GOOSE/GSSE) messaging for access to data generated by compatible protection relays.
- ❑ Provides polled and on-demand read and write access to variable data.
- ❑ Supports unsolicited messaging for report by exception.
- ❑ Supports automatic retrieval of device object models that works with the PI OPC Configurator for easy system configuration.
- ❑ Includes the MMS Object Explorer for interactive access to device object models and data.



Other SISCO products for PI:

- ❑ UIB Adapter for OSIsoft's Pi Server: allows the population and maintenance of business models within the PI environment.
- ❑ AXS4-ICCP: Provides ICCP-TASE.2 interface for PI including client/server and redundancy support.
- ❑ COMTRADE Utility for PI: Extracts data from COMTRADE files and stores it in the PI Server.