



The Standards Based Integration Company

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## ICCP Lite PLUS+

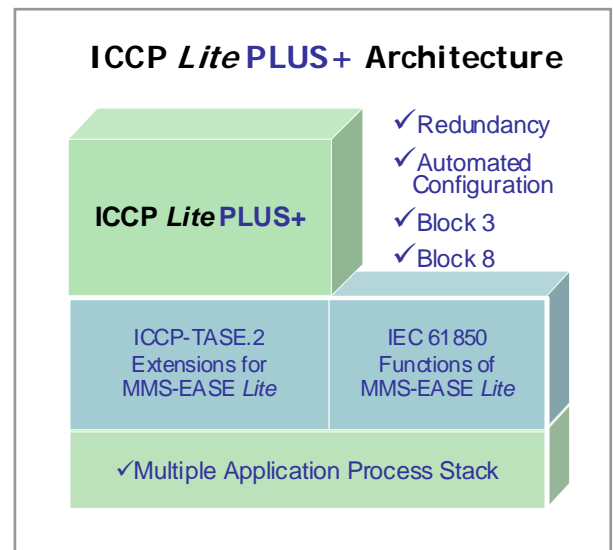
### Enhanced Capabilities for the ICCP-TASE.2 Extensions with MMS-EASE Lite

### Description

ICCP Lite PLUS+ is an optional add-on product for the ICCP-TASE.2 Extensions of MMS-EASE Lite (ICCP Lite) that extends the capabilities of ICCP Lite to include support for Block 3 (blocked transfers), Block 8 (accounts) redundancy and automatic data value, a multiple process stack, data set and data set transfer set configuration. ICCP Lite PLUS+ is based on field proven technology that SISCO has been shipping in its AX-S4 ICCP product. ICCP Lite PLUS+ is provided in ANSI C source code so it is portable to virtually any operating environment from embedded systems to host computers. Using ICCP Lite PLUS+ can substantially reduce your cost to support these important new capabilities.

### Features

- ❑ Provides additional code to enable ICCP Lite developers and OEMs to more easily support redundant ICCP-TASE.2 interfaces:
  - ✓ Data synchronization between primary and backup computers with heartbeat
  - ✓ Automatic failover upon loss of heartbeat or manual failover supported
  - ✓ Configuration synchronization between primary and backup
- ❑ Support for ICCP Block 3 (blocked transfers) for improved reporting efficiency



- ❑ New services added to minimize bilateral table configuration effort:
  - ✓ Discovery and configuration of data values from remote servers
  - ✓ Automatic configuration of data sets and data set transfer sets based on flexible and configurable algorithms
  - ✓ Automatic data set mismatch detection and reorganization functions to minimize impact of configuration errors
- ❑ Support for ICCP Block 8 (Accounts) per V2000-08 of IEC 60870-6 TASE.2
- ❑ Multi-process stack to support multiple independent applications over the same network connection.

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## Other SISCO Products

- AX-S4 ICCP** IEC 60870-6-TASE.2 OPC server for Windows. Provides an ICCP-TASE.2 interface for HMI, SCADA and historians with support for redundancy and flexible configuration from fully automatic to manual. Supports ICCP Blocks 1, 2, 3, 4, and 5 as both client and server.
- AX-S4 MMS** IEC 61850 interface for Windows applications supporting the OPC and/or DDE interfaces. Provides IEC 61850 client and server support for HMI, SCADA, historian interfaces, and data concentrators. Supports IEC 61850-6-1, 7-2, 7-3, 7-4, and 8-1 including GOOSE, GSSE, reporting, and other ACSI services.

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## About SISCO

SISCO, Inc. is a private company founded in 1983. SISCO has established itself as a leader in standards-based real-time integration and communications technologies serving the energy and automation industries. SISCO's products are widely used in many mission critical applications from electrical transmission systems to material handling. We work with both end users and OEMs serving those end users. SISCO's ability to partner with other OEMs and integrators allows us to deliver more capabilities at a lower cost resulting in better solutions for you. Today SISCO has demonstrated leadership and capabilities to provide solutions in the following areas:



- ❑ Utility Integration Bus (UIB): Model-driven integration technology based upon advanced publish/subscribe and object oriented technology for enterprise integration of heterogeneous applications for utilities.
- ❑ Real-time communications and networking based upon open, public, and international standards such as:
  - Inter-control Center Communications Protocol (ICCP) per IEC60870-6 TASE.2 for control center integration and power plant dispatching
  - Object oriented substation automation protocols per IEC 61850.

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