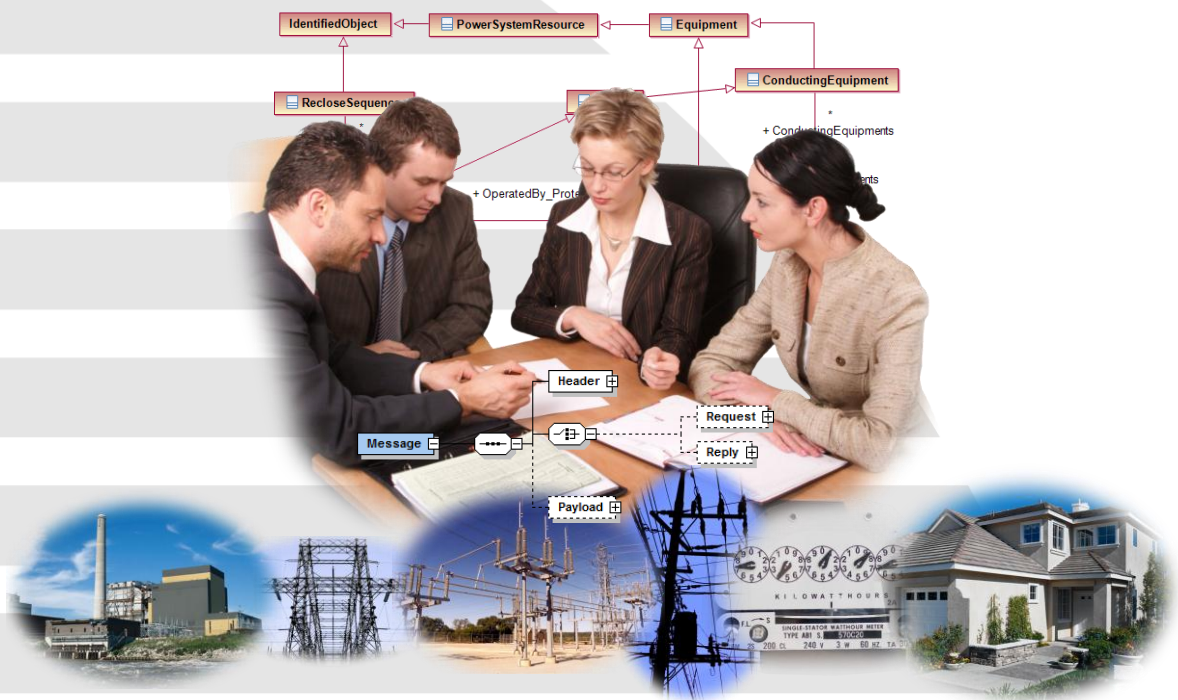




The Standards Based Integration Company

CIM Based Integration Services

Increase Flexibility and Manage Complexity



Using the IEC CIM for Data Modeling and SOA Messaging in Smart Grid Systems Integration

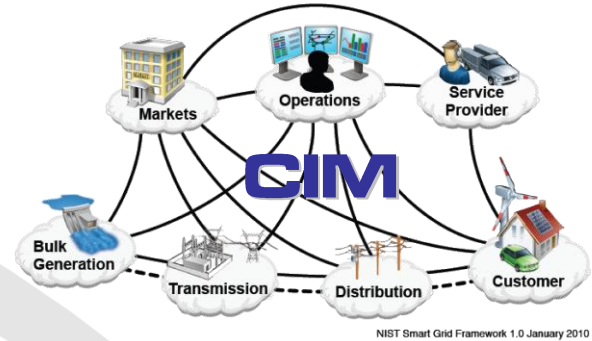


Using CIM for Model-Driven Messaging

SISCO's Capabilities

SISCO has the experience and knowledge of how to use the CIM to support successful integration of operational systems within the electric utility environment. Our team of experts have years of knowledge that enables us to deliver a customized set of services that meet your needs based on your Smart Grid objectives.

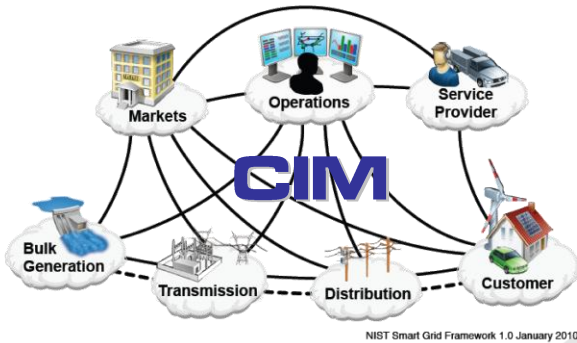
- ☑ Training programs to understand CIM and build staff knowledge.
- ☑ Consulting services to assist in use case definition, data modeling, interface specification, profile development, and message generation.
- ☑ Integration services to develop application adapters, install, and test systems.
- ☑ Testing services to verify interoperability of both in-house developed and vendor supplied components.
- ☑ Support services to help keep systems operational over the long run.



Requirements From Use Cases

SISCO follows a disciplined approach that leverages the IEC CIM standard with proven implementation methods to deliver secure and robust application integration solutions. SISCO starts by working with our clients individually to develop the use cases needed to define your requirements based on your business needs. The use cases identify those elements of the CIM that are needed, which are not needed, and guide the extensions necessary in order to choose or define the right profile that meets your requirements. SISCO works with best in class tools for modeling, documenting, defining messages, and middleware software to help define an optimized and secure integration framework for your system. SISCO then works with your staff or we can provide the resources to implement the overall system and build and/or configure application adapters. With implementation ready SISCO can work with you and your suppliers to implement an interoperability and security test plan that ensures the implementation was done right and delivers the services needed for the use cases.

Proven Approach to Smart Grid Integration



Committed to Project Success

SISCO is committed to the ultimate success of your project. SISCO will work with you to provide an optimized set of services to meet your needs. From training programs to build your internal staff skills all the way to turnkey implementation of the entire system, SISCO is prepared to work with you and your team as needed to deliver the best possible solution. SISCO has a long track record of working cooperatively with many different companies to deliver solutions to the energy utility industry and can effectively work with your suppliers to achieve success on your projects.

SISCO's commitment to your success does not end at acceptance. SISCO can continue to work with your implementation team to help keep your system operating securely and with maximum effectiveness. Beyond that, SISCO can help with identifying and implementing incremental improvements and additions to the system that preserves your investment while providing a solution that meets your needs over the long run.

Benefits of SISCO's Approach

- ☑ SISCO's deep understanding of the CIM, IEC 61850 and other standards along with active participation in the IEC standards committees results in solutions that minimize premature obsolescence.
- ☑ Use of the CIM for data modeling to drive the integration architecture helps make the growing complexity of Smart Grid applications more manageable.
- ☑ Using a model-driven driven approach with CIM leverages both legacy systems and modern integration technology to support incremental integration and enabling continuous improvement to preserve integration investments over time.
- ☑ SISCO's approach follows industry initiatives like the NIST Smart Grid Framework for maximum interoperability with other solutions and potential future regulatory requirements.



About SISCO



SISCO is an employee owned company founded in 1983 that is dedicated to applying standards to address real-world problems. SISCO offers real-time communications and application integration products and services that are used world-wide by leading OEMs, system integrators, and end users. SISCO's mission is to provide world-class, real-time communications and integration solutions to OEM and end-user customers based on open internationally accepted standards. SISCO serves our mission with skilled and motivated employees that are dedicated to the success of our customers.

Other SISCO Capabilities

- IEC 61850 for substation automation and power system communications.
- Centralized remedial action systems (C-RAS) for wide area protection.
- Real-time synchrophasor processing analytics for improved situational awareness and Wide Area Measurement Systems (WAMS)
- ICCP-TASE.2 for intercontrol center communications and power plant dispatching.
- Utility Integration Bus (UIB) for model-driven integration of operational and business applications using the common information model (CIM) and standardized interfaces based on IBM WebSphere SOA.



OSIsoft
partner



Business Partner



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UCA
International
Users Group



IEC 61850
users group



CIM
users group



OpenSG
users group

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