

IEC 61850 Conformance Test Services Support using SYNC OEM

Kalkitech's Embedded Solutions - SYNC OEM, provide customers the option to install full range of SYNC protocols and capabilities within legacy and proprietary devices. SYNC OEM enables equipment manufacturers the capability to have the latest protocols like IEC 61850 and DLMS/COSEM in their device, at minimal capital costs and faster go-to-market. SYNC OEM has been embedded in various devices like Protection Relays, Energy Meters, Mini RTUs, Transformer Monitoring Systems, PLCs, Switchgears and Alarm Annunciators.

In addition to enabling IEC 61850 support in the customer devices through SYNC OEM modules, Kalkitech also offers consultancy support and assistance to obtain KEMA's 'IEC 61850- Certificate Level A' certification. KEMA certification on the product will greatly increase the opportunity landscape for the particular model, especially for large tenders in Europe, Asia and Middle-East. The customer also has the option to go for product Conformity for Buffered Reporting, Unbuffered Reporting, and GOOSE or for the specific conformance blocks as required, where in Kalkitech will provide the necessary development and related services for the above.

Kalkitech provides support on the following for the KEMA IEC 61850 Conformance Test:

1. IEC61850 data model support for the device
2. Kalkitech supports the SYNC OEM customer to build the IED capability description file (ICD file) as per the device functionality and requirement provided by the customer. This can be collected through the device user manuals and data sheet, reducing the efforts for the customer
3. Optional engineering service for the data conversion
4. Based on the Device Input Output (IO List) provided by the customer, Kalkitech provides downstream protocol to IEC 61850 protocol conversion configuration using the SYNC OEM module
5. Kalkitech will test, prepare and provide conformance statements for the customer device, PICS, MICS and TICS, as per the KEMA certification template and requirements
6. Kalkitech also provides support to customer for the KEMA pretest as well as for the main conformance test, through round-the-clock Online / Telephone support. Kalkitech experts can also travel to the customer end or to KEMA to provide



dedicated support to the customer on any detected issues and work in association with the customer to get the conformance test passed.

7. Kalkitech also provides integration and services support for certification agencies like CPRI and others as well.