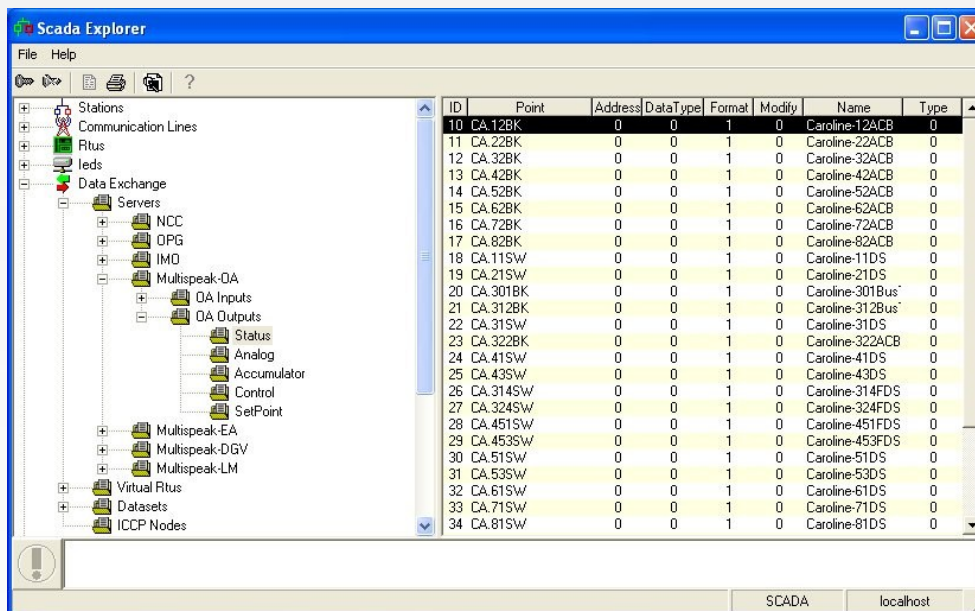


MultiSpeak is a collaboration of the National Rural Electric Cooperative Association (NRECA), leading software vendors and electric utilities. The initiative has developed and continues to expand a specification that defines standardized interfaces among software applications commonly used by electric utilities. The MultiSpeak specification thus helps vendors and utilities develop interfaces so that software products from different suppliers can interoperate without requiring the development of extensive custom interfaces.

Survallent provides MultiSpeak Version 3.0 interfaces for:

- Outage Analysis
- Engineering Analysis
- Dynamic GIS Viewer
- Load Management
- Connectivity Import
- DMS Network Model Import



MultiSpeak interoperability is setup in the Data Exchange tree by defining Servers, Virtual RTUs, and Datasets. The Servers editor allows you to define links to other systems. For each link, you specify the type of interface, the communications ports or IP addresses used to access the other system, and other communication parameters. The Virtual RTU editor is used to create one or more Virtual RTUs for each server. Each Virtual RTU references a Dataset of SCADA points whose values are to be reported to the client. The Datasets editor is used to create sets of points that are referenced by the Virtual RTUs. Each dataset contains blocks of status, analog, control, setpoint, and accumulator entries to which SCADA points can be mapped.

Outage Analysis interface is capable of publishing analog and status point data to an Outage Management System (OMS). The breaker operations reported by SCADA can be used by OMS to automatically create verified SCADA outage/restored records for such events.

Engineering Analysis interface is capable of publishing analog and status point data to an Engineering Analysis (EA) system. SCADA points can be mapped to the EA circuit elements, allowing the user to specify which SCADA points should be associated with which devices in the model. SCADA analog values such as fault currents and feeder currents can be used by the engineer for such applications as fault location and load allocation.

Dynamic GIS Viewer interface is capable of publishing analog and status point data to a Geographical Information System (GIS). SCADA points can be mapped to the GIS, allowing the user to view the actual status and/or analog values of the devices in their GIS map.

Load Management interface is capable of publishing analog and status point data to a Load Management System (LMS). It can be used for both **Load Shed Control** and **Power Factor Control**. Load shedding and power factor control is initiated by means of status points that are set by the operator or by applications such as Load Curtailment , Power Factor Control , or by Command Sequencing.

Connectivity Import interface allows you to import network connectivity data from GIS or Engineering Analysis system into SCADA. In the import process, the interface:

- Parses the XML file that contains the connectivity data
- Imports information relevant to SCADA connectivity database
- Discards layers in the WorldView map containing previously imported data
- Adds line sections to the Worldview map to correspond to the newly imported line sections.

An Import Configuration editor is used to setup the import parameters, including assignment of SCADA points to switch line sections.

DMS Network Model Import interface allows you to import the full network model from GIS or Engineering Analysis system into Survalent's Distribution Management System (DMS).

2600 Argentia Road • Mississauga, Ontario • L5N 5V4, Canada
www.survalent.com • 905.826.5000 • sales@survalent.com