

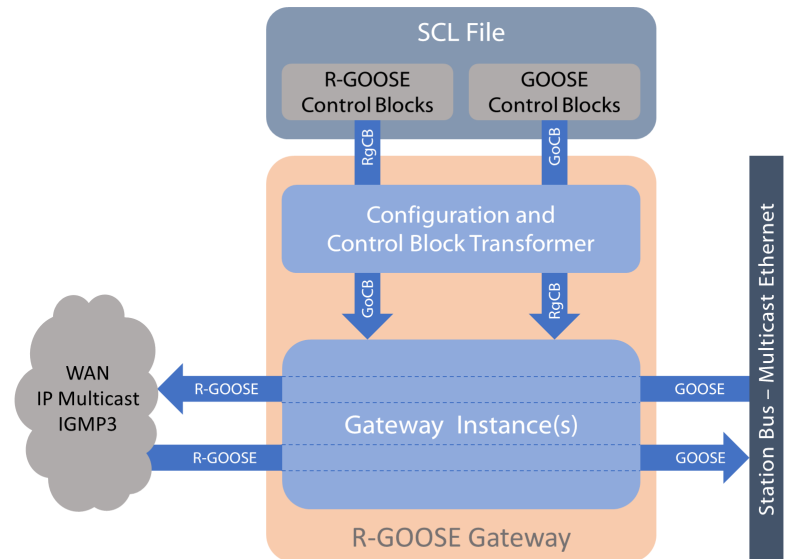
R-GOOSE Gateway

Interconnect Ethernet GOOSE and Routable GOOSE for IEC 61850



OVERVIEW

SISCO's R-GOOSE gateway allows you to interconnect IEC 61850 IEDs using traditional Ethernet multicast GOOSE on Ethernet station bus with Routable GOOSE (R-GOOSE) running over wide area IP Multicast networks. This enables you to interface Ethernet GOOSE based systems to R-GOOSE systems based on IP Multicast and IGMPV3 for wide area applications. The IP Multicast profile of IEC 61850-8-1 Ed2.1 (IEC TR 61850-90-5) supports GOOSE communications over Wide Area Networks (WAN) using readily available router and VPN technology for secure wide area applications.



APPLICATIONS

- Interface existing Ethernet multicast GOOSE publishers to IP multicast R-GOOSE subscribers
- Interface IP multicast R-GOOSE publishers to existing Ethernet multicast GOOSE subscribers
- Wide area protection, Centralized Remedical Action Systems (C-RAS) and protection monitoring

FEATURES

- Easy configuration by importing standardized SCL files per IEC 61850-6
 - Automatically generates R-GOOSE to GOOSE and GOOSE to R-GOOSE mapping during import
- Supports multiple gateway instances to run independently of each other
 - Enables segmentation of gateway interconnections to separate network adapters
- Low latency processing: verified 1ms end-to-end latency for 5,000 GOOSE messages through a single gateway instance using office grade equipment
- Generates transformed SCL file for subscribers of gateway messages (converts RgCB to/from GoCB)
- Runs on standard computing platforms
- Supports role based configuration versus operational control to ensure configuration stability