IEC 61850

- family of protocols or interoperability standards

→ initial motivation was interoperability

→ add new capabilities taking advantage of computing capabilities
Creation of substations is sporadic. Communication networks in Europe and Asia have more implementation of new substations. Major upgrade messages need to be sent quickly. Prioritized messages can be broadcast.
- Sampled values
- Each measurement point processes measurements
- Calculate magnitude, angle, etc.
- Impact of networking packets
- Dropped packets