IEC TR 61850-90-5:

Use of IEC 61850 to transmit synchrophasor information according to IEEE C37.118

Quick Overview
Relationship of documents

IEEE C37.118
- Published
- IEEE C37.118.2 (packet format streaming)
- IEEE C37.118.1 (measurement specification)

IEC 61850-8-1 GOOSE (Events)
IEC 61850-9-2 Sampled Values (streaming)
IEC 61850-6 (SCL - configuration)
IEC 62351-6 GOOSE and SV Security

SPI/NASPINet Requirements and Cases
PI/DAP 18 Requirements and Use Cases

Use Cases
- SCL Enhancements → IEC 61850-6 (SCL - configuration) for: C37.118, PDC, 90-5
- Security Enhancements → IEC 62351-6 GOOSE and SV Security
- Multicast Key Distribution → IEC 62351-9 Key Management
- Routing → IEC 61850-8-1
  - Multicast Path Creation
  - Quality of Service and Priority
Moving Forward

IEC TR 61850-90-5

Use Cases

IEEE C37.118 to 61850 Migration

SCL Enhancements → IEC 61850-6 (SCL - configuration)
for: C37.118, PDC, 90-5

Routing

Multicast Path Creation

Quality of Service and Priority

Security Enhancements → IEC 61850-8-1

IEC 61850-9-2

IEC 62351-6 GOOSE and SV Security

Multicast Key Distribution

May go into implementation agreements

Targeted as an add

Target Date - Planned Ta

Coordi

required

-6 Ed.2 to include ( already ad

-9 Ed.1 already add
Meeting Schedule

- **WG10**
  - October 2012 – Houston
  - February 2013 – Mexico
  - September 2013 – Mackinaw Island, MI.

- **WG15**
  - October 2012 - Detroit
Thank you for your attention. Any questions?