Objective
- To document and implement a phasor data communication protocol that improves upon the IEEE C37.118 protocol

Schedule
- Apr 2017 – March 2019
  - Develop Specification
  - Develop APIs
  - Demonstrate
  - Publish

Prime: Grid Protection Alliance

Major Demo Partners: SPP, TVA, PJM, Dominion, OG&E, SDG&E

Federal Cost: $1,083 M

Cost Share: $1,206 M

Total Value of Award: $2,289 M

Funds Expended to Date: Less than 1%
STTP will improve on GEP

- Documentation to enable understanding and interoperability and to promote use
- Stand-alone API-style code that can be integrated into any development platform/project
- Expanding and extending metadata fields
  - Minimum required set of metadata fields
  - Capability for metadata versioning
- Security – communications established from the higher security zone
- Refinement
  - Simplify throughout
  - Drop any obsolete or relatively unused GEP functionality
Where We Could Use Assistance

- Critical review of protocol specification
- Testing of the open-source protocol implementations for scalability, reliability and ease of use
- Demonstration of the protocol within existing applications as an additional streaming time-series data feed
Opportunities for interacting with the D&NMTT

**October 2017**

- Specification Requirements
- Initial API Design

**March 2018**

- Protocol Specification Draft
- Alpha Versions of API and Tool Kits
Opportunities for interacting with the D&NMTT

October 2018
- Protocol Specification Published
- Beta API and Tools
- Protocol Demonstration Plans

March 2019
- Protocol Demonstration Results Published
- API and Tools Release Version 1.0
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