

Power System Communications and Cybersecurity Committee (PSCCC)

Who We Are

Formally established in 2016, the PSCCC is an interdisciplinary team with members representing electric utilities, manufacturers, consultants, researchers, and students who have a focused passion for addressing the unique communication and cybersecurity challenges of power systems. With over 30 active projects, our work products help the industry establish interoperable data flows and protocol architectures while ensuring the availability, integrity, and confidentiality of data, control devices, and communication equipment.

Committee Scope

The treatment of all matters in which the dominant factor is the electrical, wireless, and optical means for the transfer of information associated with the power system domain, including the investigation, education, and standards development activities related to the following:

- Integrated communications
- Cybersecurity
- Protocol definition & testing
- Communications circuit electrical protection & safety
- Communications equipment supporting the power system
- Communications & cybersecurity management
- Personnel & equipment safety

Join Us!

We meet three times per year in joint meetings with the Power System Relaying and Control Committee in January (PES JTCM), May, and September at locations throughout North America. Meetings are scheduled from Monday through Thursday, with attendees paying a meeting registration fee and a separate hotel room at the meeting hotel. Remote participation is possible.

Subcommittees

- Administrative
- Broadband PLC
- Cybersecurity
- Optical Fiber
- Power Line Carrier
- Protocols & Architecture
- Wireless
- Wire Line

Objectives

Address the evolving communications and cybersecurity challenges of electric power systems by:

- Offering a venue that brings together industry leaders and subject matter experts
- Developing reports, standards, guides and best practices for the industry
- Providing guidance to industry stakeholders and practitioners

What's Next

- Virtualization of Protection and Control Applications
- Guide for Securing GOOSE and SV in IEC-61850
- Use of Intrusion Detection and Prevention in Electric Power Systems
- Use of SBOM (software bill of materials) in the Energy Sector
- Application of Fiber in Aerial Cables as a Distributed Sensor
- Considerations for Power Line Carrier in Modern Transmission Networks

