Agenda

Tuesday, July 24 – Day 1

Time	Activity	Host / Presenter
7:00 – 8:15 am	Registration and Continental Breakfast	
8:15 – 8:45 am	Welcome and Introductions – Carol Hawk, DOE	
8:45 – 9:00 am	Instructions – Melanie Seader, Energetics Incorporated	
Core and Frontier Capabilities: National SCADA Test Bed (NSTB)		
9:00 – 9:30 am	**IEC 61850 Cyber Security Acceleration**	Pacific Northwest National Laboratory, Argonne National Laboratory, and Oak Ridge National Laboratory
9:30 – 10:00 am	**Idaho National Laboratory**	
10:00 – 10:30 am	BREAK	
10:30 – 11:00 am	**Applications of Cyber Security Techniques in the Protection of Efficient Cyber-Physical Energy Generation Systems**	Lawrence Berkeley National Laboratory
11:00 – 11:30 am	**Quantum Cryptography**	Los Alamos National Laboratory and Oak Ridge National Laboratory
11:30 – 12:00 pm	**Oak Ridge National Laboratory**	
12:00 – 1:30 pm	LUNCH	
1:30 – 2:00 pm	**Pacific Northwest National Laboratory**	
2:00 – 2:30 pm	**Sandia National Laboratories**	
Laboratory-Led Projects		
2:30 – 3:00 pm	**High-Level (4th Gen) Language Microcontroller Implementation**	Idaho National Laboratory
3:00 – 4:00 pm	POSTER SESSION and afternoon break	
4:00 – 4:30 pm	**Control Systems Situational Awareness Technology Interoperable Tool Suite**	Idaho National Laboratory
4:30 – 5:00 pm	**Next Generation Secure, Scalable Communication Network for the Smart Grid**	Oak Ridge National Laboratory

Wednesday, July 25 – Day 2

Time	Activity	Host / Presenter
7:00 – 8:00 am	Continental Breakfast	
8:00 – 8:30 am	**Automated Vulnerability Detection for Compiled Smart Grid Software**	Oak Ridge National Laboratory
8:30 – 9:00 am	**Bio-Inspired Technologies for Enhancing Cybersecurity in the Energy Sector**	Pacific Northwest National Laboratory
Academia-Led Projects		
9:00 – 9:30 am	**Trustworthy Cyber Infrastructure for the Power Grid (TCIPG)**	
9:30 – 10:00 am	**Software Engineering Institute (SEI)**	
10:00 – 10:30 am	BREAK	
Industry-Led Projects		
10:30 – 11:00 am	**Role Based Access Control-Driven (RBAC) Least Privilege Architecture for Control Systems**	Honeywell International
11:00 – 11:30 am	**Security Core Component**	Siemens Infrastructure & Cities, Energy Automation
11:30 – 12:00 pm	**SIEGate: Secure Information Gateway for Electric Grid Operations**	Grid Protection Alliance
12:00 – 1:30 pm	LUNCH	
1:30 – 2:00 pm	**Tools and Methods for Hardening Communication Security of Energy Delivery Systems**	Applied Communication Sciences
2:00 – 2:30 pm	**exe-Guard Project**	Schweitzer Engineering Laboratories
2:30 – 3:00 pm	**Watchdog Project**	Schweitzer Engineering Laboratories
3:00 – 4:00 pm	POSTER SESSION and afternoon break	
4:00 – 4:30 pm	**Padlock Project**	Schweitzer Engineering Laboratories
4:30 – 5:00 pm	**Smart Grid Cryptographic Key Management**	Sypris Electronics

Multi-Year Program Planning Information Exchange
Thursday, July 26 – Day 3

Time	Activity
7:30 – 8:30 am	Continental Breakfast
8:30 – 10:00 am	**Opening Plenary** CEDS – The Past and Present – Carol Hawk, DOE CEDS Program Q&A Meeting Purpose and Expectations – Carol Hawk, DOE Process – Katie Jereza, Energetics Incorporated
10:00 – 10:30 am	BREAK
10:30 – 11:00 am	**Identifying Key Trends and Drivers Shaping the State of Energy Delivery Systems Cybersecurity** Parallel breakout sessions: • **Group 1:** Building a Culture of Security & Sustaining Security Improvements • **Group 2:** Assessing and Monitoring Risk & Managing Incidents • **Group 3:** Developing and Implementing New Protective Measures to Reduce Risk
11:00 – 12:00 am	**Identifying Emerging and Remaining Energy Delivery Systems Cybersecurity Challenges**
12:00 – 1:30 pm	LUNCH
1:30 – 2:30 pm	**Organizing and Prioritizing Challenges**
2:30 – 3:00 pm	**Identifying Timeframes for Prioritized Challenges (near, mid, and long-term)**
3:00 – 3:30 pm	**Key Takeaways and Potential Next Steps**
3:30 – 4:00pm	BREAK
4:00 – 4:30 pm	**Summary Reports and Wrap-Up**
4:30 pm	PEER REVIEW ADJOURNS