

## **Syed's Bio**

Syed Ahmad is an electrical engineer in the Division of Reliability Standards with in the Office of Electric Reliability (OER) at FERC. Syed holds Bachelor of Engineering and Master of Science degrees in the field of electrical engineering with emphasis on power system. Syed also holds professional engineer (PE) license in the state of Maryland and Missouri. Syed is a senior member of the Institution of Electrical and Electronics Engineers (IEEE). He received NERC Reliability Coordinator Operator Certification (RAOCE) by passing the required exam on July 26, 2006. Syed brings experience of more than 20 years in the areas of electric utility, research and development, electric regulation, and ISO/RTO environment dealing with generation, transmission, and distribution of electricity.

Syed is very familiar with electric utility regulations, principles, and practices at the state and federal level. Worked on NERC Reliability Standards petition, utility rate filings, utility certificate of convenience and necessity (CCN), filed testimonies on the issues related to jurisdictional allocation of transmission & distribution facilities, system energy losses, and territorial agreements. Performed NERC Reliability Readiness Evaluation/Audit related to Balancing Authority, Transmission Operator, Transmission Owner, and Reliability Coordinator as a part of NERC audit team. Syed has learned and applied NERC reliability principles and standards in performing generation interconnection studies, NERC compliance studies, system planning, and Regional Reliability studies.

Syed have hands-on experience in using power flow simulation software such as Power System Simulator for Engineering (PSS/E), Power System Simulator for Managing and Utilizing System Transmission (PSS/MUST), PowerWorld, GE-PSLF, Multi-Area Reliability Simulation (MARS), Electric Market Simulation System (EMSS) and Production Simulation (PROSYM) & PROMOD. As a subject matter expert I am providing hands-on training to fellow engineers on PSS/E and MUST software.

On a regular basis Syed volunteer as a judge for the "Baltimore Catholic Forensic League Debate Tournament", IEEE Robotics Competition, FIRST Tech Challenge (FTC) Maryland Robotics and Maryland Science Olympiad.