Abstract

The entire paper will be considered to be a basic guideline for identifying and maintaining the vulnerability that are associated with Smart Grid technology. This paper will be mainly focusing on cyber attacks however arrangement of other types of disruption can also be experienced by Smart Grid technology. The core components like the grid assets and their classification will be discussed throughout the paper. Besides this the types of cyber attacks will also be classified on the basis of protocols and components that are implemented in smart grid. Along with this the basic attack prevention frameworks will be proposed in this technical writing. For better understanding of the paper tables, figures and equation will be provided here.

References

Vulnerability and Forensics associated with the Smart Grid: Cyber Attacks

14. jwww.DNP3.org

Index Terms

Computer Science Security

Keywords
Cyber assets, Cyber security, data integrity, Digital forensics, FACTS devices, False data injection attacks, Power system control centers, Smart grids, DNP3, SCADA