

## عنوان مقاله:

Application and Recommendations for Cyber Security of Information Technology Within Electric Power Systems

## محل انتشار:

اولین کنفرانس ملی دانش پژوهان کامپیوتر و فناوری اطلاعات (سال: 1390)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

Implementing the Smart Grid blueprint is dependent on realising a delivery infrastructure using multiple technologies, with expertise from many different domains. Integrated, high performance IT and communications will deliver the complex network and systems fabric that make the Smart Grid a reality. As IT connectivity across distribution grids increases and communication channels transport confidential and business critical data, threats to network and communication security rise significantly. Distribution Networks form part of the Critical National Infrastructure and must be safeguarded. By their very nature, many elements of a DNO (Distribution Networks operation) network are in remote areas, accessible by the public and by hostile parties. This paper on existing standards and best practices in the field of information and control system security. The objective is to provide guidance for those who develop cyber security in Electric Power Utility . The growth of the Internet and its associated technologies has allowed IT solutions to be applied to SCADA e.g. Ethernet, the IP suite of protocols

## کلمات کلیدی:

Security , Protocols , Information Technology , SCADA , Smart Grid

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/132141>

