Abstract

SCADA systems are essential for the critical infrastructures, such as electric power, oil, and gas production and distribution systems. Hence, incapacitation or destruction of SCADAs would have a debilitating impact on the defence or economic security of organizations and states. In this paper, we study fifteen SCADA cyber security standards and also assess the security of ten widely-used SCADA systems. Our investigation leads to a comprehensive categorized list of security solutions for SCADAs. This list is used to evaluate and compare security of the SCADA systems; also it will be used as model to improve the security of new SCADA systems.
A Concise Model to Evaluate Security of SCADA Systems based on Security Standards

- GAO. Technology Assessment - Cybersecurity for Critical Infrastructure Protection. GAO, May 2004

Index Terms

Computer Science

Security

Keywords

Supervisory Control and Data Acquisition  SCADA  Cyber Security  Security

Standard