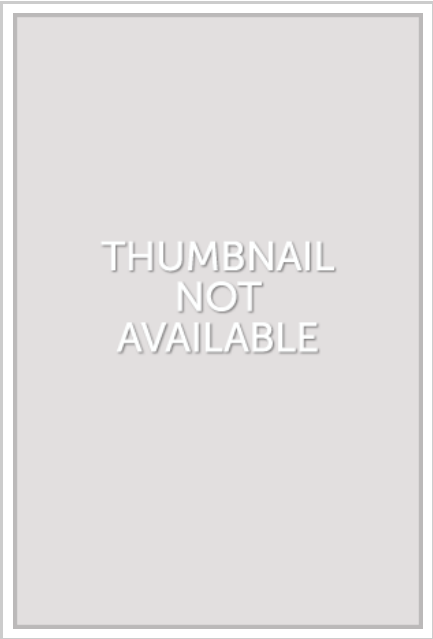


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Cybersecurity: Challenges in Securing the Electricity Grid: Gao-12-926t

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BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 28 pages. Dimensions: 9.7in. x 7.4in. x 0.1in.The threats to systems supporting critical infrastructures are evolving and growing. In testimony, the Director of National Intelligence noted a dramatic increase in cyber activity targeting U. S. computers and systems, including a more than tripling of the volume of malicious software. Varying types of threats from numerous sources can adversely affect computers, software, networks, organizations, entire industries, and the Internet itself. These include both unintentional and intentional threats, and may come in the form of targeted or untargeted attacks from criminal groups, hackers, disgruntled employees, nations, or terrorists. The interconnectivity between information systems, the Internet, and other infrastructures can amplify the impact of these threats, potentially affecting the operations of critical infrastructures, the security of sensitive information, and the flow of commerce. Moreover, the electricity grids reliance on IT systems and networks exposes it to potential and known cybersecurity vulnerabilities, which could be exploited by attackers. The potential impact of such attacks has been illustrated by a number of recently reported incidents and can include fraudulent activities, damage to electricity control systems, power outages, and failures in safety equipment. This...

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