

Risk Analysis & Management for Cybersecurity

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Sharon Thomas

Senior Manager, Research Lab, NARUC

Overview

- What methodologies are being used for risk management and analysis?
- How might current methodologies be improved?
- How can mutual aid play a role in risk management?

Methodologies for Performing Risk Analysis and Risk Management

- NIST Cybersecurity Framework
- DOE Electricity Subsector Capability Maturity Model (ES-C2M2)
- DOE Electricity Sector Cybersecurity Risk Management Process (RMP) Guideline
- Bayesian Probability

How Can We Improve These Methodologies?

- NIST CSF:
 - Creation of a web-based knowledge center with resources in one place
- ES-C2M2 & RMP:
 - Geared towards practitioners; abstract
 - ES-C2M2 evaluates implementation; helps with cost recovery but not prudence

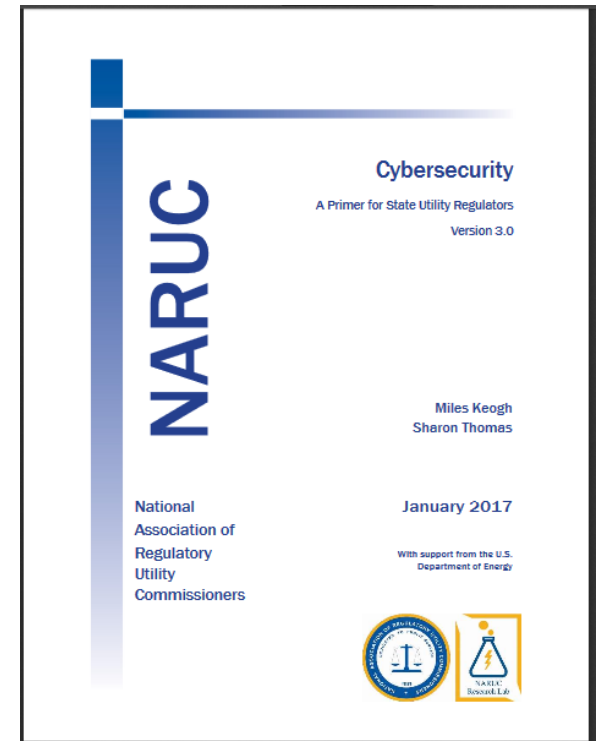
How Can We Improve These Methodologies?

- NARUC's Cyber Risk Management Tool for Regulators

Part I: Strategy Development
Guidance

Part II: NARUC's Cyber Primer 3.0
Questions

Part III: Bayesian Cyber Evaluative
Tool



Link to Primer: <http://bit.ly/CyberPrimer>

Can a Mutual Aid Paradigm Assist in Risk Management?

Thank You!

Sharon Thomas

Senior Manager, Research Lab, NARUC

202-384-1572; sthomas@naruc.org