

RIC 2024 Hybrid

U.S. Nuclear Regulatory Commission
36th Annual Regulatory Information Conference

**ADAPTING TO A
CHANGING LANDSCAPE**

MARCH 12-14, 2024

Bethesda North Marriott Hotel
and Conference Center
Rockville, Maryland

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Cybersecurity Oversight in a Changing Nuclear Security Landscape

Kim Lawson-Jenkins

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Office of Nuclear Security and Incident Response (NSIR)

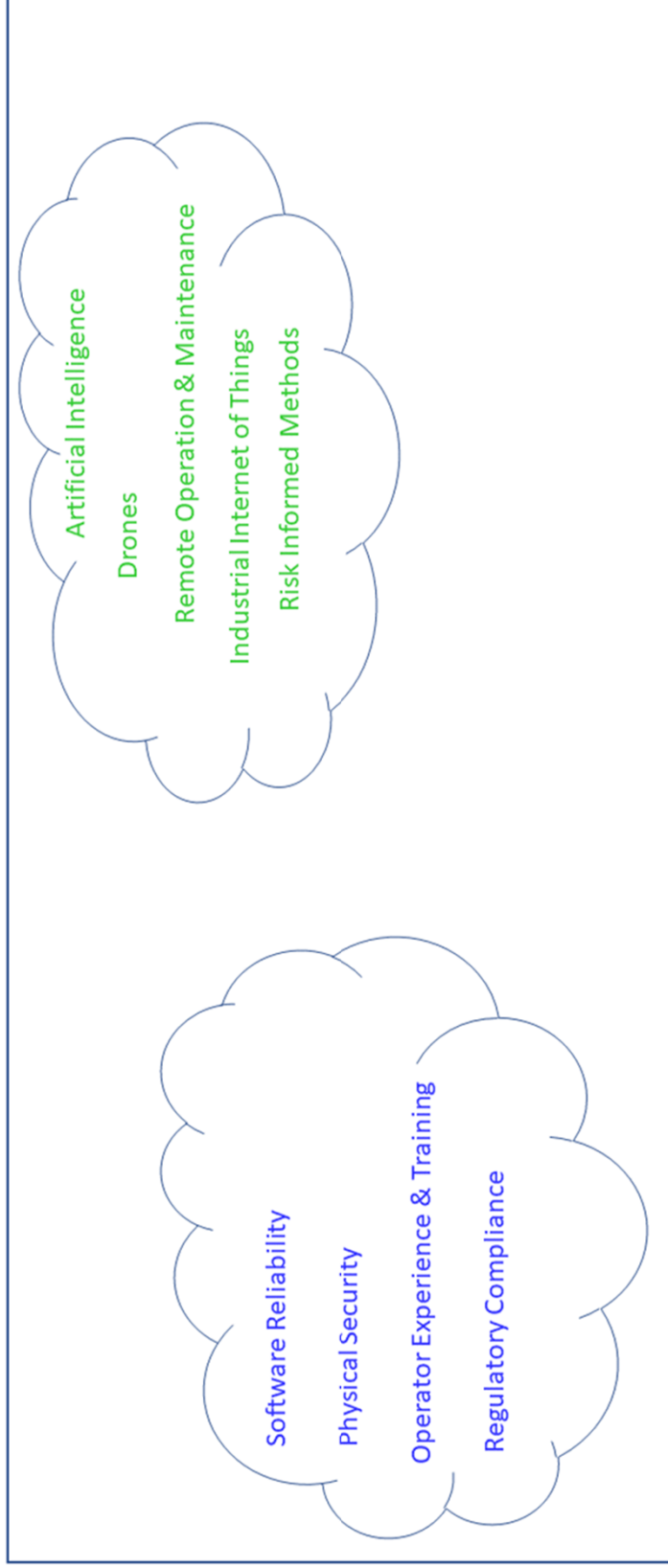
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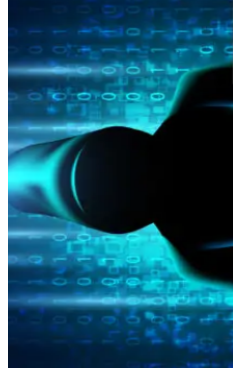
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Evidence-Based Risk-Informed Security

- Risk Analysis of Novel Use of Technology
- Monitor and Detect
- Self-Protection

Licensees—Know What You Have

- Supply Chain
- Asset Management
- Configuration Management

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Cybersecurity Risk Assessment

- Understand the plant functions affected by the technology
- Understand the minimum capabilities of the technology to support the identified plant functions
- Evaluate risks, new attack surfaces and vulnerabilities, and mitigations



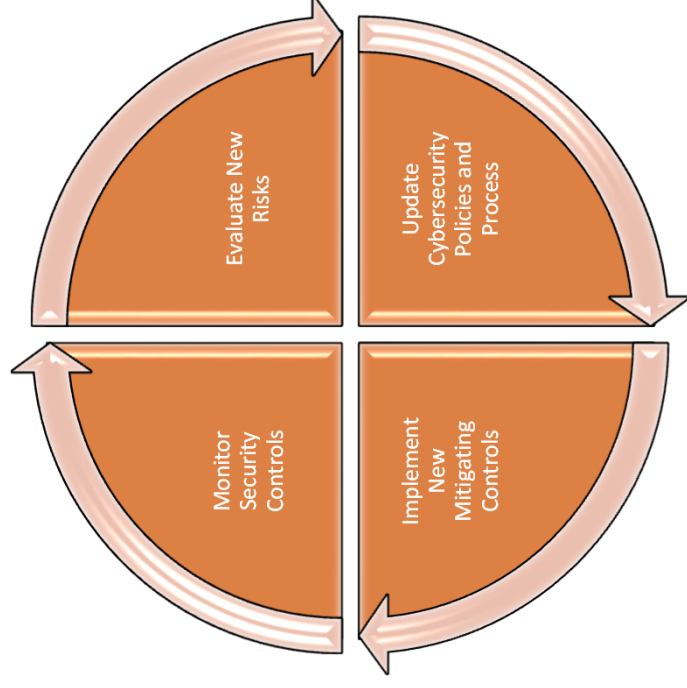
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Cybersecurity Controls—the toolbox of cybersecurity plans

- Operational Security Controls
- Managerial or Administrative Controls
- Technical Security Controls

Defense in depth—detect, respond to, and recover from a cybersecurity attack

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NRC Cybersecurity Activities

- Adapting based on lessons learned from inspections during COVID-19
- Oversight of licensee self-assessments
- Participation in preapplication and licensing meetings
- Working closely with Office of Nuclear Regulatory Research (RES) staff on issues involving the novel use of technologies at nuclear facilities
- Generating and updating NRC guidance

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Summary

- Use of emerging technologies can improve plant safety, security, or operating efficiencies
- Risk assessments are needed to securely deploy the technology within the plant
- NRC RES and NSIR staff are working together for the agency to provide effective oversight of the cybersecurity programs

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