

JOINT FERC-NRC COMMISSION MEETING

OCTOBER 22, 2026

Jim Beardsley

Chief, Physical and Cyber Security
Licensing Branch

Division of Security Programs

Office of Nuclear Reactor Regulation

- Updates on Cybersecurity Program
- Recent Trends in Inspection and Oversight
- Risk-Informed, Performance-Based Cybersecurity Framework

NRC'S CYBER SECURITY OVERSIGHT PROGRAM

**2009-
2015**

Cyber Security Rule
10 CFR 73.54
Staff & Industry
Guidance
"Bright-Line"
Survey

**2017-
2021**

Licensee Full
Implementation
NRC Full
Implementation
Inspections
Staff Assessment
of Cyber Program

**2017-
2021**

NRC Full
Implementation
Inspections
Independent
Assessment of
Cyber Program

**2021-
2025**

Guidance
Updates
New Inspection
Procedure
Biennial ROP
Inspection
Program

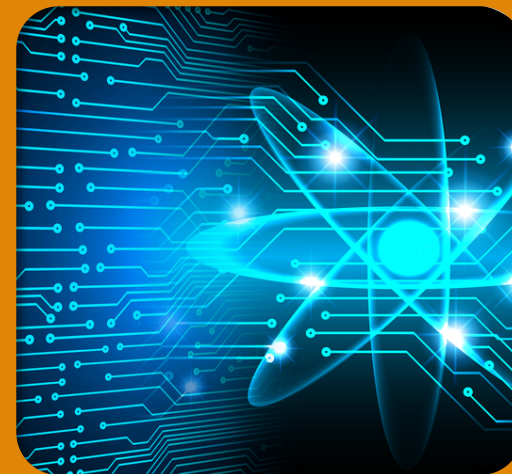
2026

Start Triennial
Inspection
Program

TECHNOLOGY-NEUTRAL, GRADED CYBERSECURITY REQUIREMENT



Cyber Security included in
the Part 53 Advanced
Reactor Rulemaking



Graded-approach To Facilitate
Risk-informed Technology-
inclusive Cybersecurity

EVOLUTION OF THE NRC'S CYBERSECURITY PROGRAM

- Research ongoing to prepare staff to address near- and long-term cybersecurity challenges:
 - Wireless technology
 - Novel technology applications
 - Autonomous/remote operation
- Over 20 years of experience with cybersecurity programs.
- Continuing to integrate lessons learned from cyber program implementation



Credit: International Atomic Energy Agency

QUESTIONS