

**RC**  
VIRTUAL  
**2021**  
MARCH 8-11



U.S. NUCLEAR REGULATORY COMMISSION'S

REGULATORY INFORMATION CONFERENCE

THE POWER OF POSSIBILITY

WWW.NRC.GOV

#NRCRIC2021VIRTUAL

# NRC Power Reactor Cyber Security Today and Tomorrow

**Jim Beardsley, Chief**

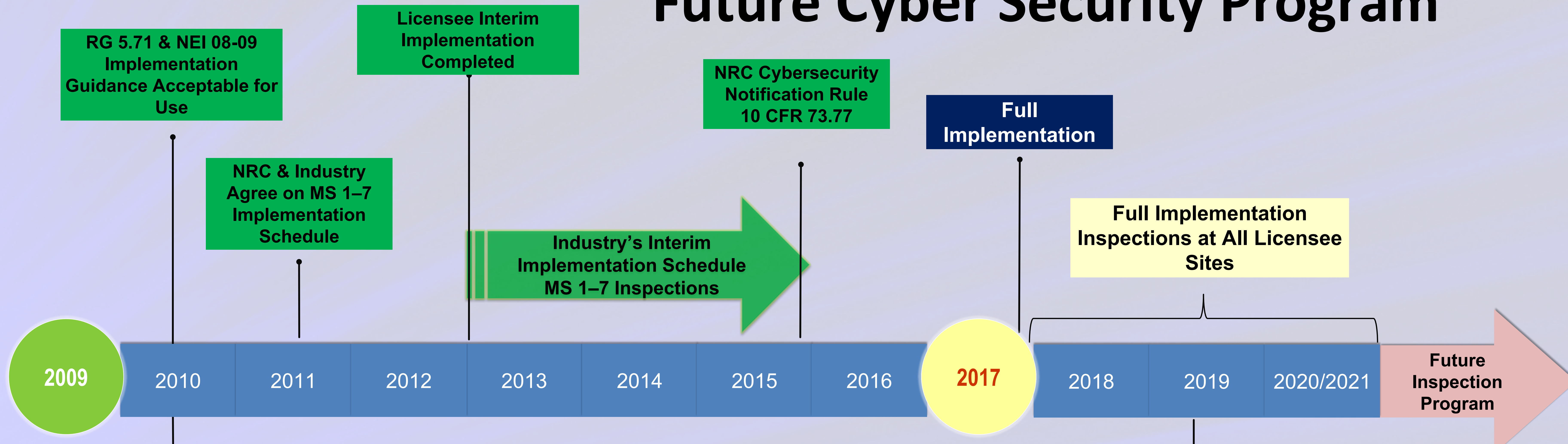
**Cyber Security Branch (CSB)**

**Division of Physical and Cyber Security Policy (DPCP)**

**Office of Nuclear Security and Incident Response (NSIR)**

[james.beardsley@nrc.gov](mailto:james.beardsley@nrc.gov)

# Future Cyber Security Program



## Cyber Security Program Assessment (ADAMS Accession No. ML19175A211)

- Independent assessment team
- Licensees and other external stakeholders (including FERC)
- Many actionable comments received

Staff developed an action plan to address the challenges identified during the assessment

- Phased approach

Power Reactor  
Cyber Security  
Self-Assessment

# Power Reactor Cyber Security Action Plan

- Program Definitions & Terms
- Risk-Informing Critical Digital Asset Determination
  - Emergency Preparedness
  - Balance of Plant
  - Safety Related/Important to Safety
  - Security
- Critical Digital Asset Assessment
- Risk-Informing Critical Digital Asset Protection (Digital Asset Protective Controls)
- Cyber Inspection Oversight Program Following Full Implementation
  - Performance-Informed Inspection
  - Revised Inspection Procedure (July 2021); Inspection Start (2022)