



# **Cyber Security at Fuel Cycle Facilities**

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# Overview

Purpose of cyber security:

To protect against unauthorized access to services, resources, or information associated with a digital asset or system and/or compromise of the integrity, availability, or confidentiality of the digital asset or system.

Background:

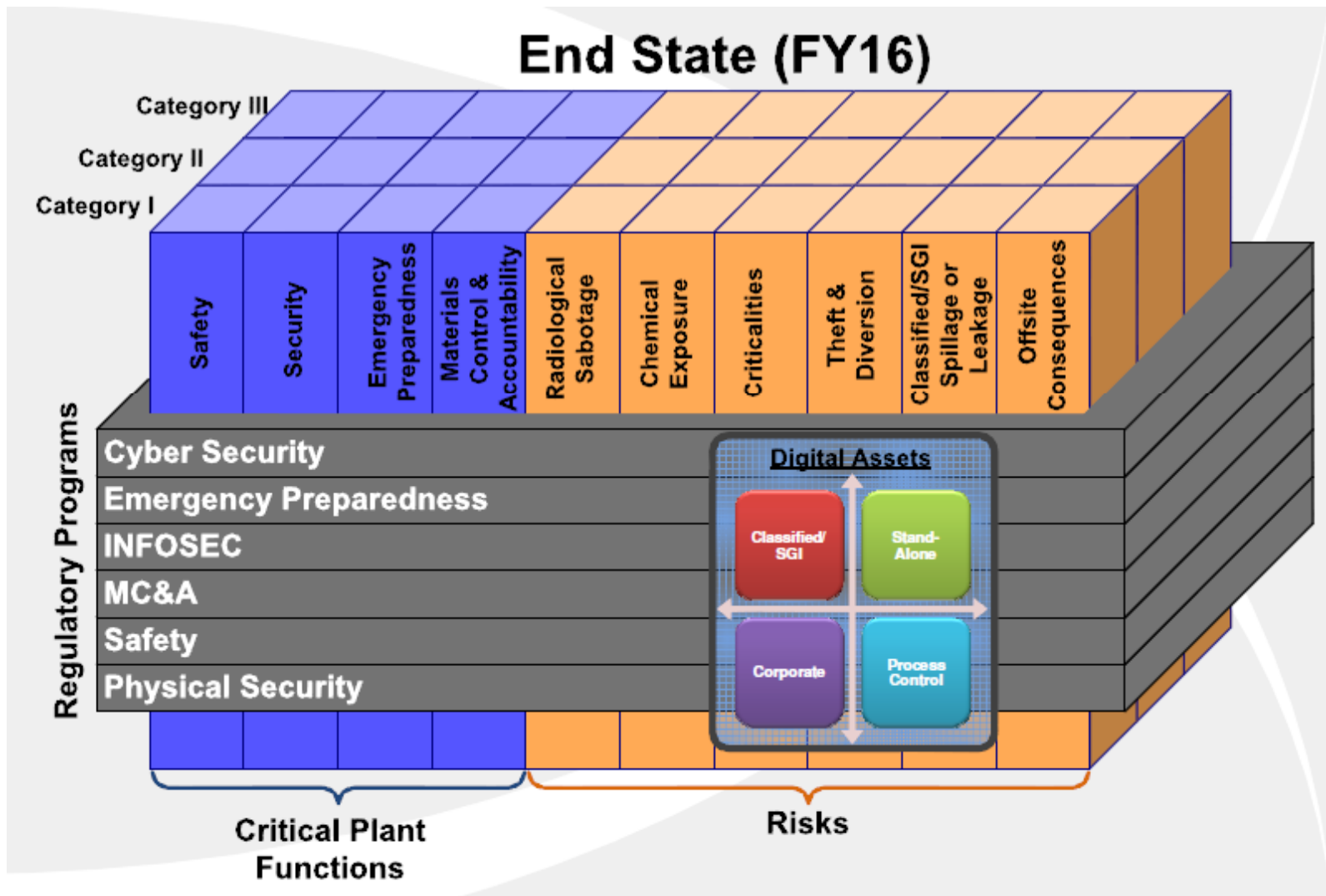
Current state and next steps

## **Background: Cyber Security - Reactors**

- Interim Compensatory Measures (2002)
- NUREG/CR-6847, Cyber Security Self-Assessment Method for U.S. Nuclear Power Plants (2003)
- Design Basis Threat Order (2003)
- NEI 04-04, Cyber Security Program for Power Reactors (2005)
- 10 CFR 73.1, Design Basis Threat Rule (2007)
  - Regulatory Guide 5.69
- 10 CFR 73.54, Cyber Security Rule (2009)
  - Regulatory Guide 5.71

## **Background: Cyber Security - Fuel Cycle**

- Interim Compensatory Measures (ICMs)
  - Cat Is address cyber as part of DBT
  - ICM orders required other licensees to address cyber
- NMSS/NSIR working group formed (2011)
  - Evaluate current status of cyber security
  - Make recommendations
- NSIR & NMSS Office Director Briefing on January 12, 2012



## **Fuel Cycle Cyber Security: Next Steps**

- Pursue rulemaking in a graded, risk-informed manner
- Pursue interim actions through voluntary efforts or orders

## **Interim Actions**

- Shared documents and conducted conference calls with NEI and licensees
- Meeting with NEI and licensees on June 14, 2012
- Reach agreement on path forward with NEI and licensees

## **Rulemaking Next Steps**

- Submit Commission paper in FY13
- Complete regulatory basis in FY14
- Complete draft rule in FY15
- Complete final rule in FY16





# Questions?