

Industry Use of Mod/Sim Tools

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How Mod/Sim is Currently Employed

- Most operating reactor licensees use mod/sim for evaluating potential changes to their protective strategy for 50.54(p) security plan changes
- Some operating reactor licensees use mod/sim for:
 - Evaluating potential safety/security interface issues
 - As part of their outage planning

Application of Mod/Sim for Advanced Reactors

- Most new reactor applicants plan to use mod/sim for:
 - Evaluating potential security plan protective strategy defensive positions, delay barriers, equipment
 - Evaluating safety/security interface issues
- There is no "physical" footprint for advanced reactors to demonstrate limited scope exercises
- These facilities plan to use mod/sim as a basis for:
 - Developing a security plan and protective strategy
 - Providing support for Part 50 and Part 52 licensing applications

Mod/Sim – Future Use Consideration

- Increased mod/sim credit for physical security plan changes
- Expanded use in evaluating safety/security interface issues and outage planning
- Training (e.g., new hire, tabletop exercises)
 - Capability for more training, more frequently
- Part of the NRC Reactor Oversight Process security cornerstone, such as:
 - Evaluating indeterminate Force-on-Force Exercises
 - As part of the NRC inspection process

Questions
