

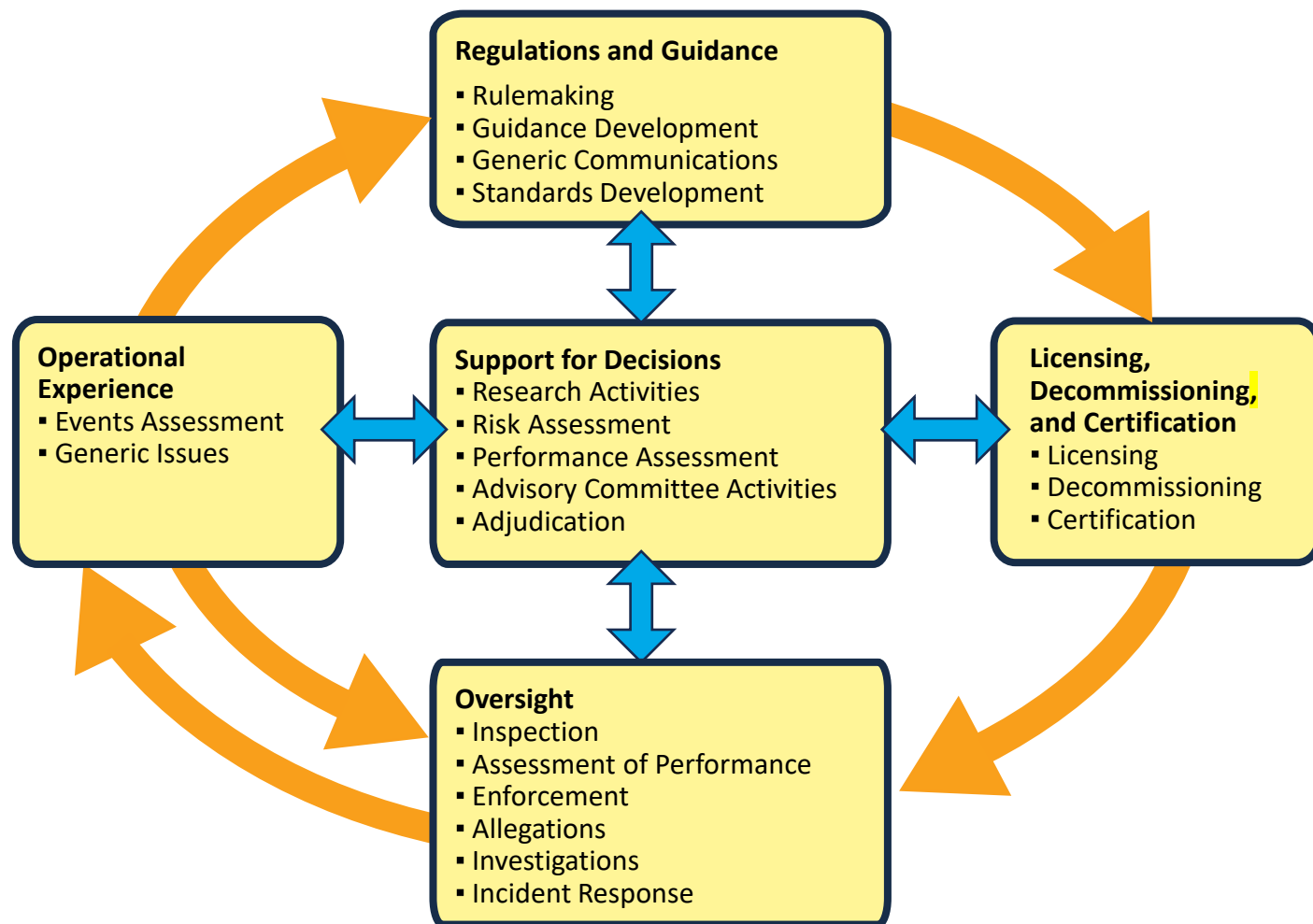


Oversight of the License Renewal Process

Paula Cooper, Senior Reactor Inspector
Division of Operating Reactor Safety
Region II, U.S. NRC

NRC Regulatory Process

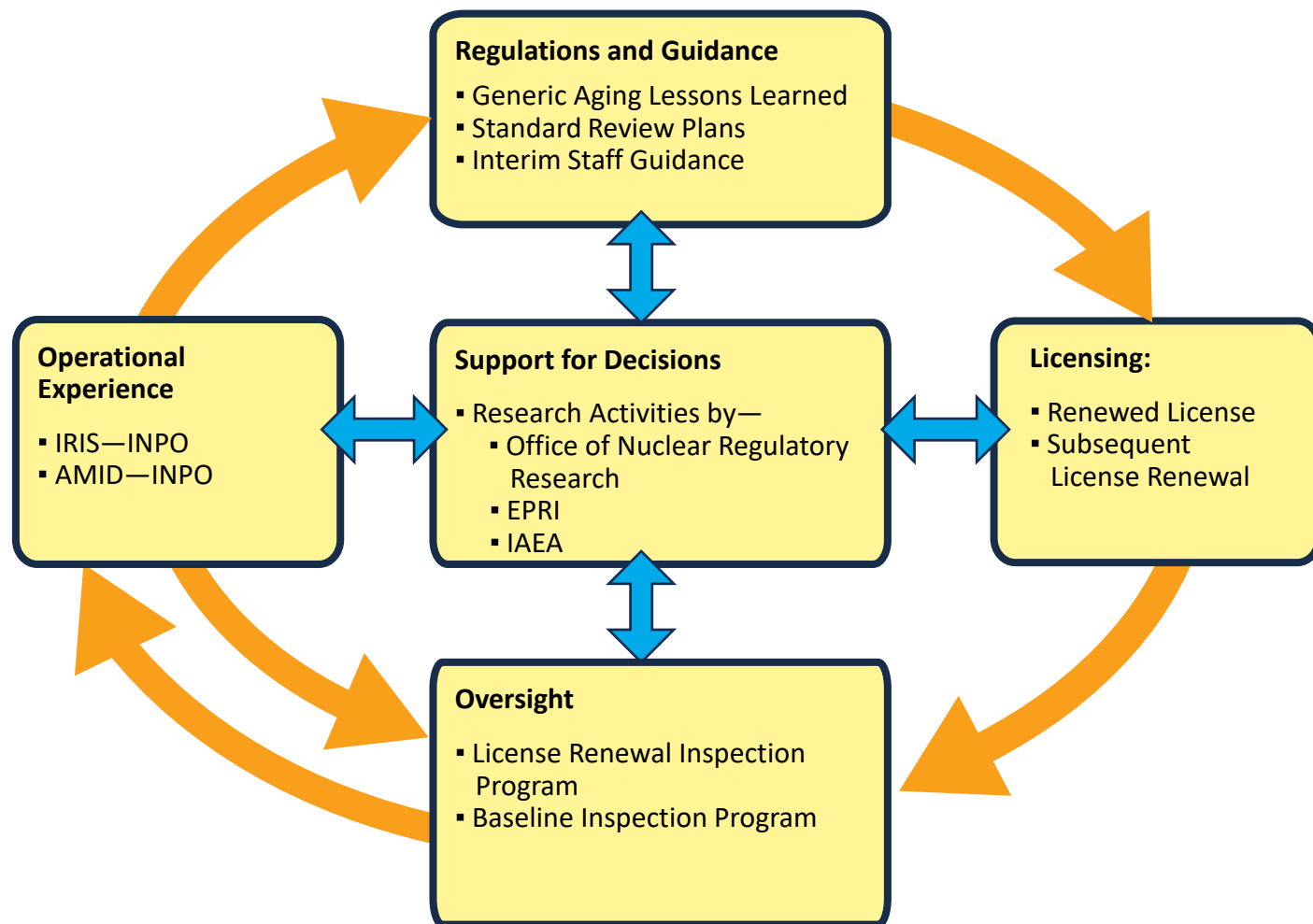
The NRC strives to improve its processes in these five areas through risk-informed and performance-based regulation.



Simplified Regulatory Process Focused on License Renewal

License Renewal Program Oversight

- License Renewal Inspection Program
- Baseline Inspection Program

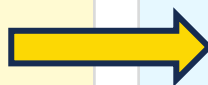




License Renewal Inspection Program: Post-Approval Inspection

Initial Renewed License

- **Phase 1**—Observe Activities
- **Phase 2**—Interviews, Walkdowns, and Completion Reviews
- **Phase 3**—Completion Reviews
- **Phase 4**—Effectiveness Reviews



Subsequent Renewed License

(Expected to Start: 2029)

• **Phase 5**



• **Phase 6**





License Renewal Inspection Program: Post-Approval Inspection

Sample Selection for Phase 2/5 and Phase 4/6

- **Operating Experience:** Site specific and industry
- **Risk Significance:** Safety functions and consequence
- **Age of Program:** New or existing program
- **Headquarters Tier Assignment**
- **Baseline Oversight:** Inspected by other procedures





Baseline Inspection Program

Aging Management Oversight

- Procedure revisions began in 2017
- Provides an option to select samples of aging management programs and passive, long-lived components
- Eliminated the knowledge silo associated with the license renewal procedure

Resident Inspectors

- Heat Sink Performance
- Maintenance Effectiveness
- Operability Determinations and Functionality Assessments
- Problem Identification and Resolution

Region-Based Inspectors

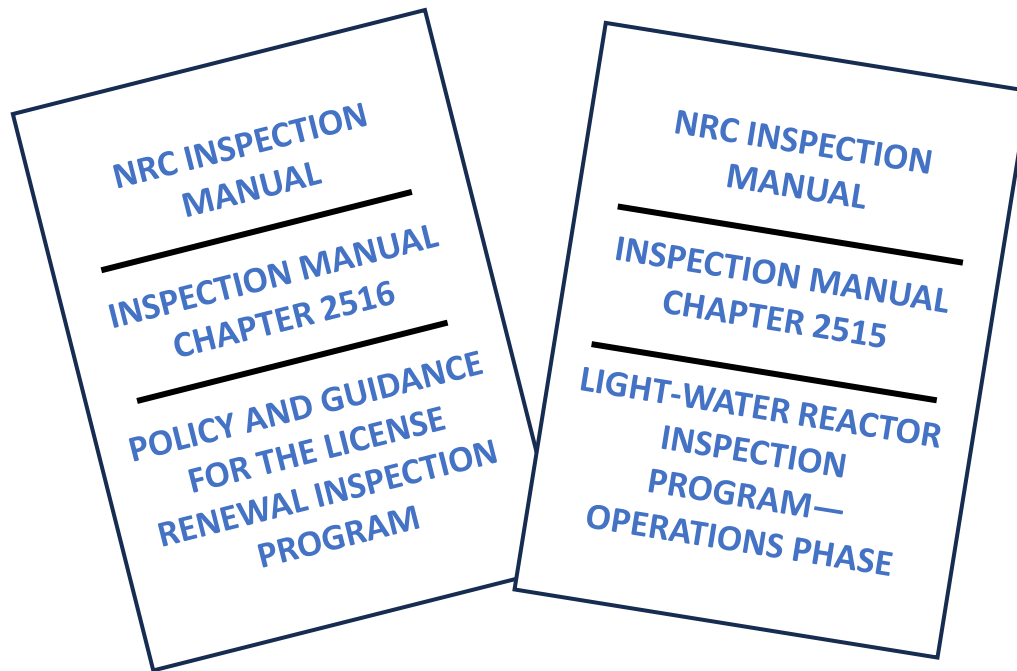
- Fire Protection
- Inservice Inspection
- Comprehensive Engineering Team Inspection
- Design Bases Assurance Inspection
- Problem Identification and Resolution



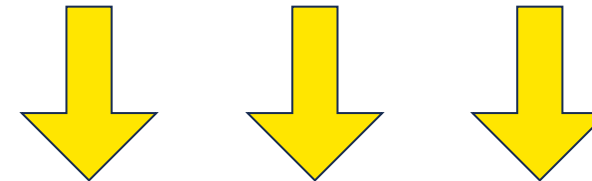
Q: How do you know aging is being managed effectively considering new operating experience?



NRC Inspection Programs Are...



Flexible, Scalable, and Adaptable



- Inspector Baseline Inspection Samples
- Smart Samples
- Management-Directed Inspections
- Supplemental Inspections
- Temporary Instructions



Acronyms

- AMID—Aging Management INPO Database
- EPRI—Electric Power Research Institute
- IAEA—International Atomic Energy Agency
- INPO—Institute of Nuclear Power Operations
- IRIS—Industry Reporting and Information System