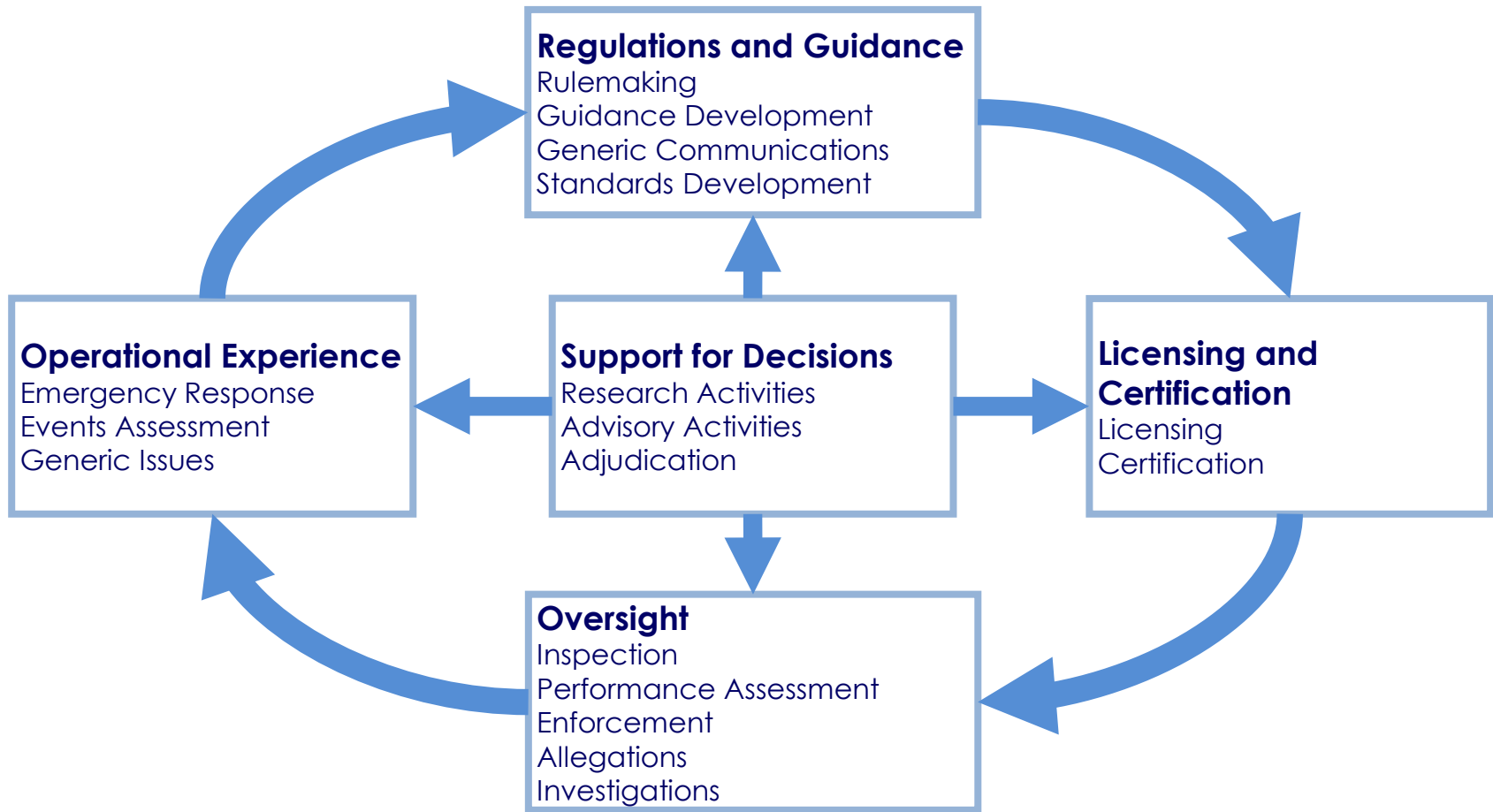


An Overview of Means to Disseminate Risk Information at the U.S. NRC

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PSA results and risk information are used in all regulatory matters



Communicating risk insights internally and externally is critical to ensure reliability, clarity, and openness related to regulatory decisions.



Websites



Dashboards



Meetings and Workshops

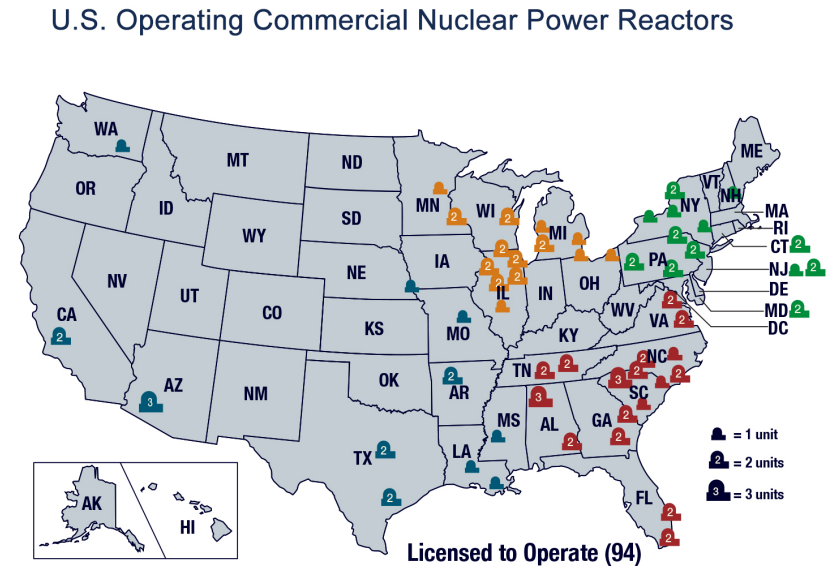
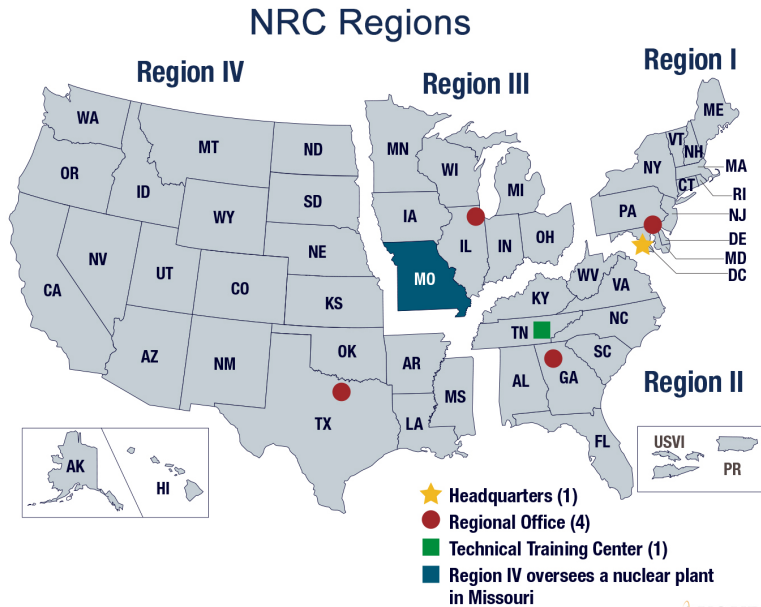


Apps



Training

Communications occur among staff with diverse backgrounds and roles (analysts, reviewers, inspectors, ...) and various geographical locations and organizations.



Websites

<https://www.nrc.gov/about-nrc/regulatory/risk-informed/rpp.html>

<https://www.nrc.gov/about-nrc/regulatory/risk-informed/concept.html>

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The image shows a screenshot of the U.S. Nuclear Regulatory Commission (NRC) website. The top navigation bar includes links for NUCLEAR REACTORS, NUCLEAR MATERIALS, RADIOACTIVE WASTE, NUCLEAR SECURITY, PUBLIC MEETINGS & INVOLVEMENT, NRC LIBRARY, and ABOUT NRC. A search bar is located in the top right corner.

The main content area is divided into two columns. The left column, titled "Risk-Informed Activities", features a navigation menu with options like "Concepts of Risk", "Probabilistic Risk Assessment (PRA)", "History of Risk-Informed Regulation Programs", "Current Risk-Informed Activities" (highlighted), "Contact Us", and "Related Information". Below the menu are four small images: a worker in a hard hat, a nuclear reactor, a spent fuel storage cask, and a person in a lab coat. A "Spotlight" section is also present with a dropdown menu labeled "Choose a Section".

The right column, titled "Reactor Operational Experience Results and Databases", contains a "We Welcome Your Views" box with a link to request information. Below this, there are sections for "SYSTEM NOTICES" (2012 results are now available), "RELATED INFORMATION" (Events Assessment, Industry Trends, Generic Issues, Emergency Response), "Parameter Estimates" (Industry Average, Common-Cause Failure, Loss of Offsite Power, Industry Performance of Relief Valves), "Trends and Insights" (Initiating Events, System Studies, Component Performance, Common-Cause Failure Insights, International Common-Cause Failures, Fire Events), and "Supplemental Information" (Operating Time, Industry Performance Data, Other Documents, Published Report List).

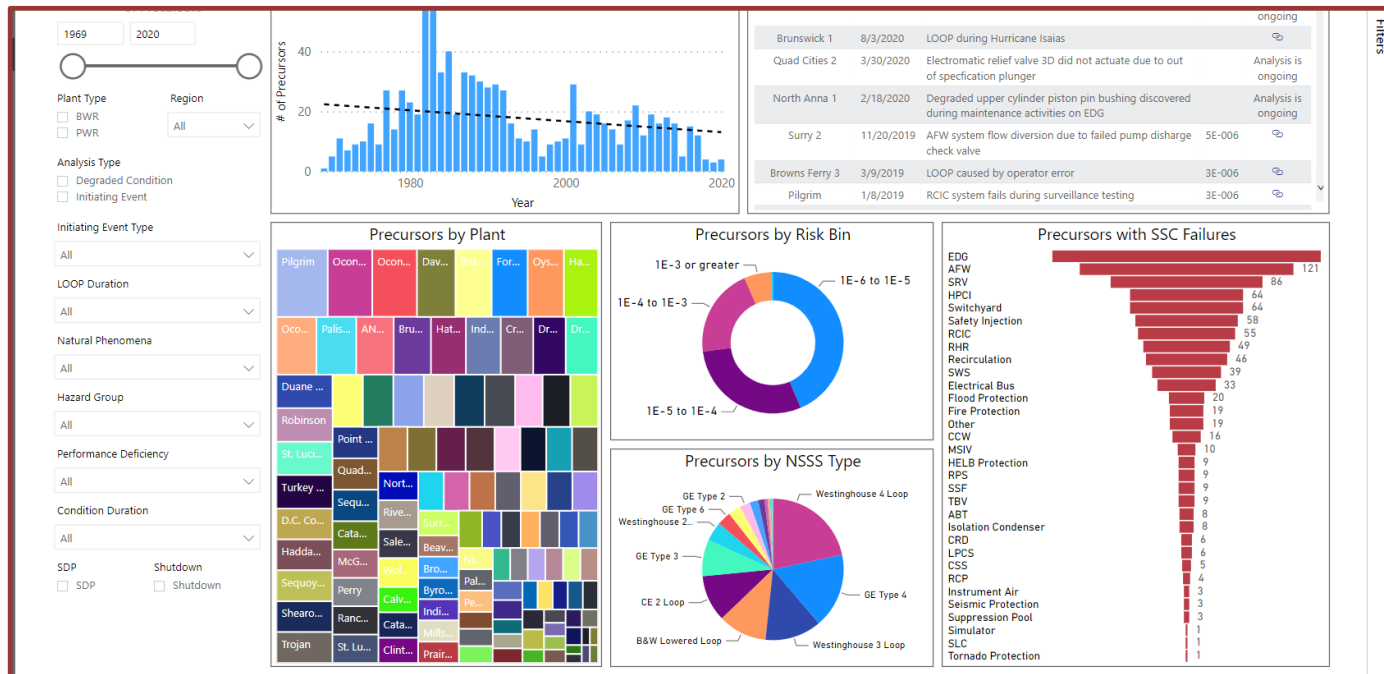
Meetings,
Workshops,
Training,
Toolkits,
Reports

- Regulatory Information Conferences
- Risk Management Team meetings
- Senior Reliability Analyst counterpart meetings
- Reliability and Risk Analyst Qualification
- Numerous training courses related to probabilistic risk assessments (PRAs), risk-informed decision-making
- Reports such as NUREGs, NUREG-KMs
- PRA Toolkits
- Nuclepedia articles

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Dashboards: As internal tools, use of effective and modern visualization tools to improve capabilities to access, search, organize, and present data and risk insights. Examples include:

- Accident Sequence Precursor Program
- Reactor Oversight Program and Operating Experience
- External hazards PRA information



Apps: Internal Risk Data Tool

- Collect risk data from NRC's risk models
- Use modern data analysis tools and visualizations
- Easy to use, sortable, searchable
- Mobile device compatible
- Accessible to all NRC staff, e.g., inspectors, licensing reviewers
- **Expected benefits:**
 - Ability to rank importance to safety
 - Prioritizing and planning work
 - Considering plant modifications
 - Assessing current plant conditions
 - Preparing for forecasted weather events

