



RES OPERATIONAL EXPERIENCE DATA AND ANALYSIS

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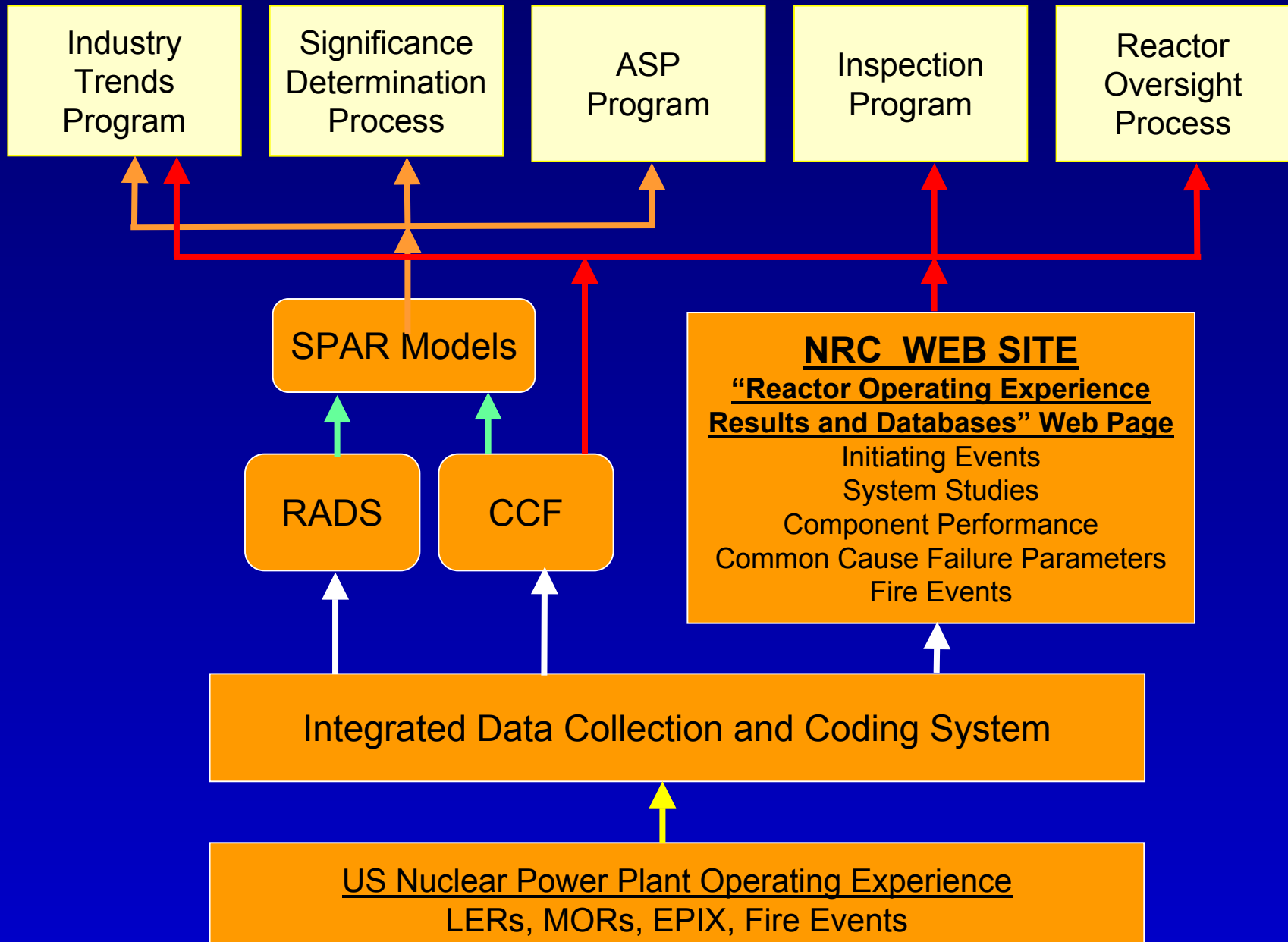
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Uses of Operational Data and Analyses in NRC Regulatory Programs



Uses of Operational Data and Analyses in NRC Regulatory Programs (continued)

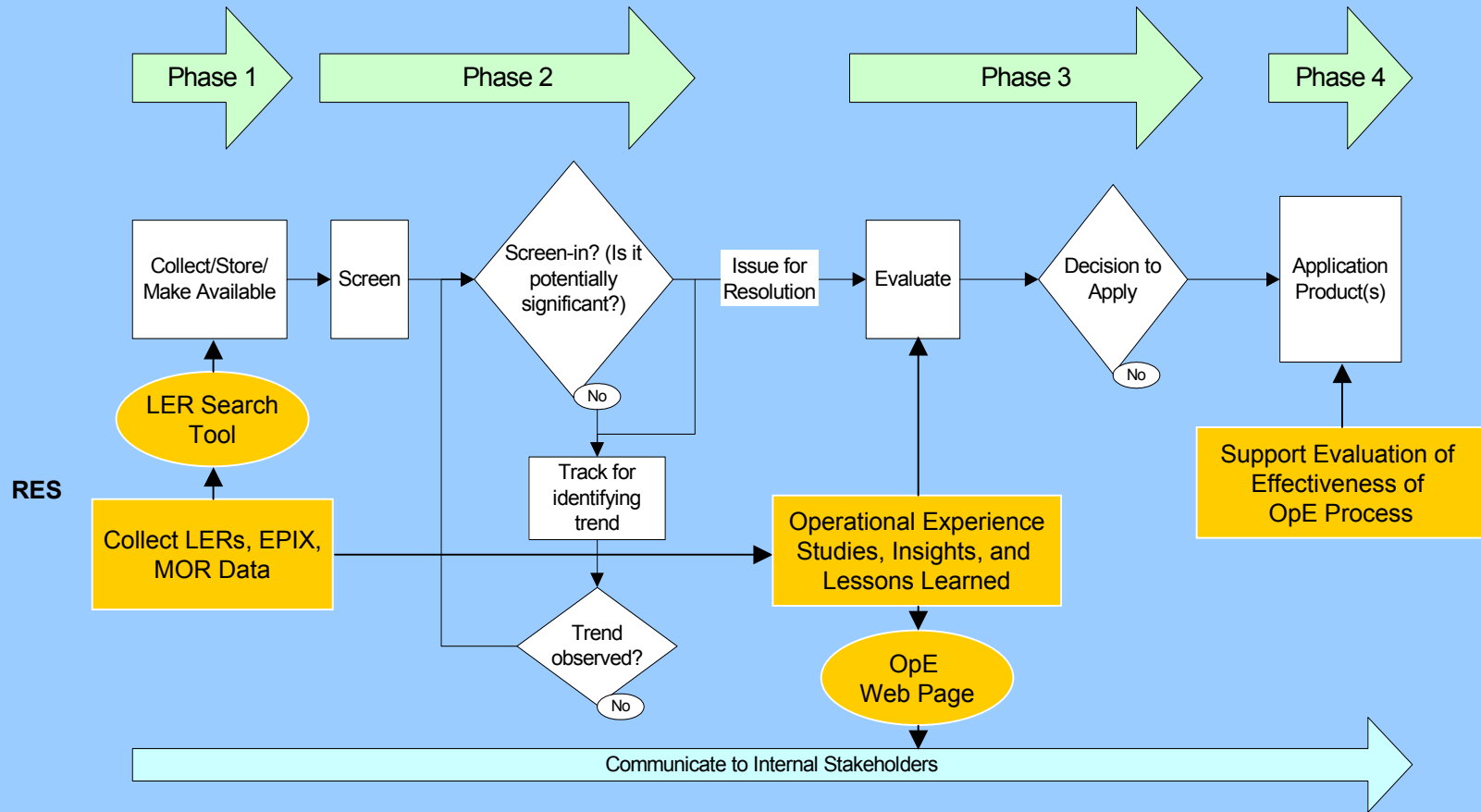
- Industry Trends Program
 - Monitor industry-wide safety performance
 - Report trends to Congress
 - Enhance plant inspections of significant safety systems
- Significance Determination Process (SDP)
 - Evaluate significance of inspection findings and events using SPAR models

Use of Operational Data and Analyses in NRC Regulatory Programs (continued)

- Accident Sequence Precursor (ASP) Program
 - Report annual performance to Congress
 - Determine safety significance of potential regulatory issues
 - Support Industry Trends Program (ITP)
- NRC Inspection Program
 - Enhance and plan plant inspections focused on the risk-important systems and components
- Reactor Oversight Process (ROP)
 - Develop risk-informed performance indicators
 - Develop data/methods to risk inform reactor inspections

RES Role in OpE Process

Overview of OpE Process -- 4 Phases



Longer Term Studies

- To identify new or emerging safety significant issues
- To provide insights to enhance regulatory effectiveness
- To share operational experience insights
- To manage Generic Safety Issues Program

- Recent products
 - Effects of Grid Events on NPP Performance, Grid Domain Variations, Generic Issue 43 (Air Systems)
- Future studies (under consideration)
 - Follow on Grid Work, Impact/Lessons Learned of 2004 Hurricane Season, BWR Power Uprate Experience, Contributors to Improved Equipment Reliability