



Safety Software Central Registry Path Forward

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Safety Software Central Registry Path Forward

- Background and Objectives
 - Evaluate if the Central Registry is being used as intended.
 - Evaluate the idea that outdated software reduces assurance that calculations provide reliable results.
 - No evidence of significant safety concerns or calculations that are erroneous due to issues with the Central Registry codes.
 - Software use should fall into existing QA Programs (i.e., item requirements).



Site Discussions

Site Discussions – 5 Sites / 11 contractors

- Safety Software Central Registry
 - Describe your perception of the Safety Software Central Registry (SSCR). How does your organization use the SSCR in terms of its value within your organization? Regardless of version, has your organization used any of the codes listed in the SSCR?
- SSCR Website Usage
 - Discuss the frequency of visits or access to the SSCR website, the information you are accessing, and the influence the SSCR codes may have on your adoption decisions. How do specific code versions listed on the SSCR impact your organization's utilization of updated versions?
- Implementation of Software
 - Describe your organization's approach to procuring, managing, and implementing software related activities? In cases where the software that is listed on the SSCR, are there any variations or exceptions within your organization's established software processes?



Site Discussion Results

1. **No Safety Concerns Expressed**
2. **Safety Software Central Registry Usage**

- Don't use CR code at all (40%)
- Use updated version of CR codes (17%)
- Use CR version (43%)

3. **Top Codes Used**

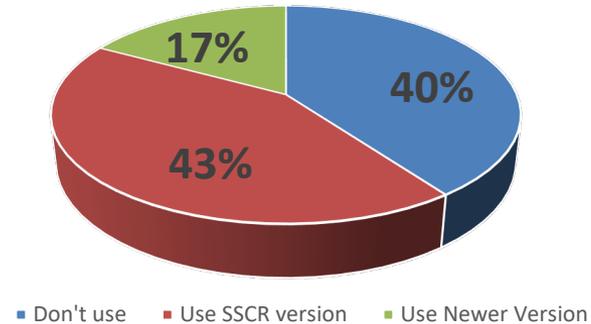
- Hotspot/EPICode
- MACCS2
- ALOHA

4. **Inconsistent Application**

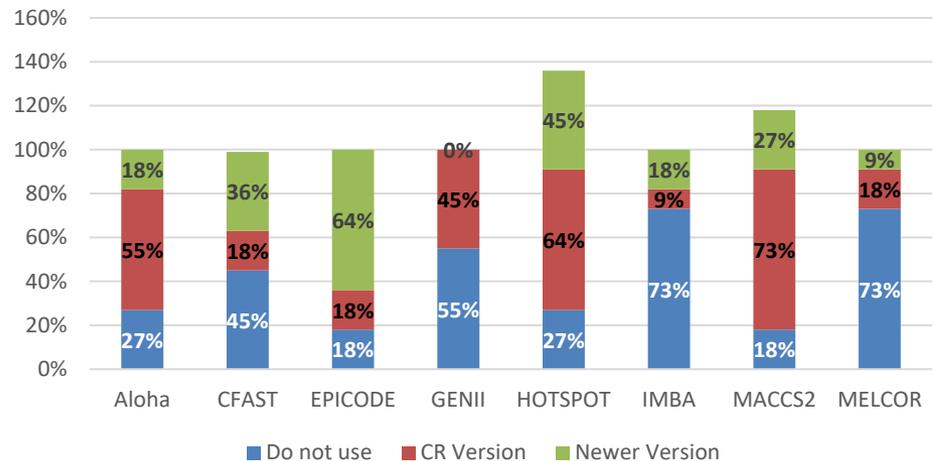
- Code use is mandatory
- Heavily relied on “DOE did all SQA”
- Unaware of the documentation and expectations outlined in the SSCR for codes

5. **Error Notifications**

SSCR Code Usage



SSCR Usage by Code





Path Forward

Short Term (within the next two years)

- Rebranding of SSCR to focus on appropriate use of all codes, not just safety basis codes
- Central Point for Error Notification
- User Community of Practice
- Assist Field Offices and their contractors with their existing SQA Programs to ensure the programs meet requirements
- Work with EFCOG to Share SQA Documentation

Medium Term (within the next 4 years)

- Code Guidance
- DOE 414.1E/SQA Guide
- Training on code use and the guidance

Long Term (4 years and beyond)

- Revisit need for a centralized system of codes used for safety basis