



Office of Environment, Safety, and Health

Quality Assurance Briefing

Defense Nuclear Facilities Safety Board
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Central Registry Code Evaluation

- ◆ **Integrated Module Bioassay Analysis (IMBA) being evaluated for possible inclusion as toolbox code**
 - Scope includes assessment per DOE O 414.1C SQA requirements & model performance verification
 - IMBA identified as DOE G 414.1-4 Grade Level B
- ◆ **CFAST model upgrade**
 - Joint project by EH, NIST, and NRC
 - Scope includes upgrading to DOE O 414.1C SQA requirements





Cooperative Efforts with Standards Organizations

- ◆ **ANS 10.4, Guidelines for the Verification and Validation of Scientific and Engineering Computer Programs for the Nuclear Industry**
 - DOE G 414.1-4 being reviewed for partial inclusion into ANS 10.4 revision
- ◆ **ASME NQA, QA Requirements for Nuclear Facility Applications**
 - Reviewed and proposed revision to include components of DOE G 414.1-4
 - NRC staff, DOE, and NQA Committee – first ballot closed
 - Issues that affect DOE applications identified
- ◆ **IEEE Software and Systems Executive Standards Committee**
- ◆ **IAEA Quality Assurance for Nuclear Facilities Training**

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