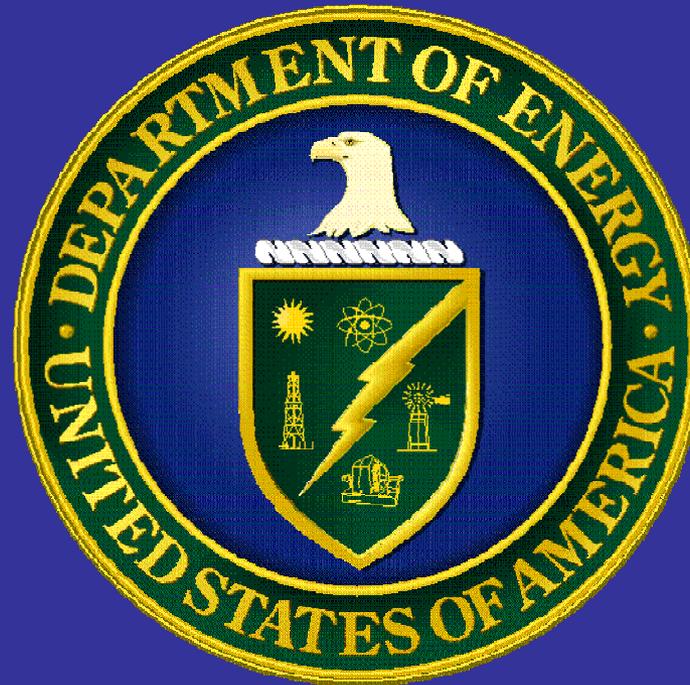




Quality Assurance Briefing



Defense Nuclear Facilities Safety Board



June 25, 2008

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Office of Quality Assurance Policy and Assistance



Topics



- **Office of Quality Assurance Policy and Assistance**
- **2007 Survey on Quality Assurance Implementation**
- **Safety Software Quality Assurance Update**
- **Filter Test Facility Update**
- **Other HSS Quality Assurance Initiatives**



HSS Corporate Approach to Quality (Update)





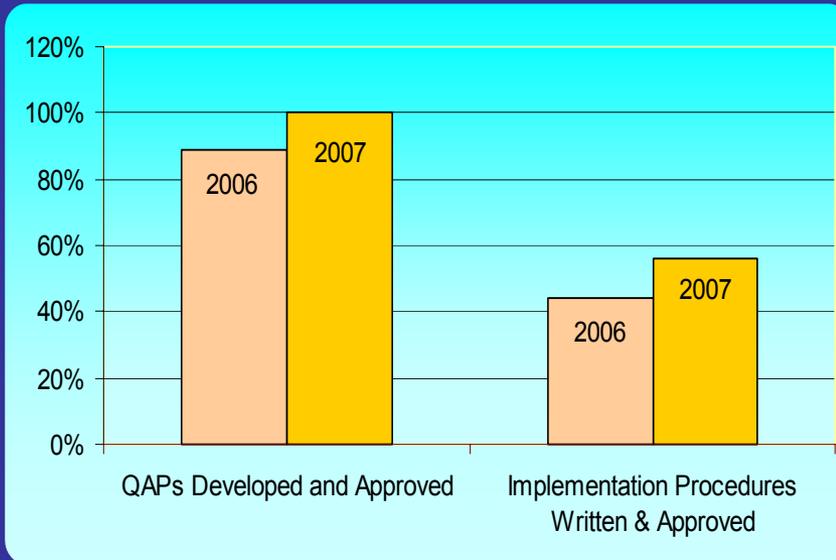
2007 Survey on QA Implementation



- **Deputy Secretary memo (9/2007)**
- **Responses received from all (26) targeted Departmental Elements (9 Program Offices, 17 Staff and Support Offices)**
 - 25 submitted the Survey
 - NNSA submitted Management Assessment summary
- **HQ Program Office responses included information for 36 Field Offices and their respective contractors (76)**
- **Final report issued 6/2008**



QA Implementation Survey Highlights

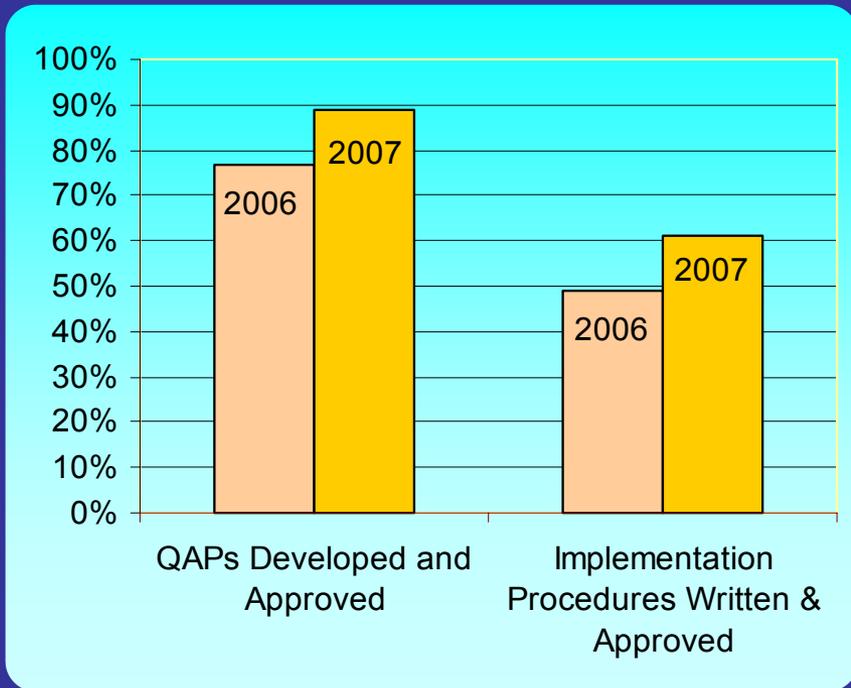


HQ – Program Offices

- **100% (vs. 89% in 2006) of HQ Program Offices reported having approved QAPs per DOE O 414.1C**
- **56% (vs. 42% in 2006) of HQ Program Offices reported having implementing procedures written and approved**



QA Implementation Survey Highlights (Cont.)



Field Offices

- 86% (vs. 77% in 2006) of Field Offices reported having approved QAPs per DOE O 414.1C
- 61% (vs. 49% in 2006) of Field Offices reported having implementing procedures written and approved



QA Implementation Survey Highlights (Cont.)



- Field Offices:
 - reported approximately 90% of contractors have processes for QA in Design and Construction
 - conducted oversight assessments at 64% of contractors
- Of the contractors where SCDI requirements apply, 95% implement SCDI
- Approximately 82% of contractors (where SQA is applicable) maintain Safety Software Inventories



QA Survey Path Forward



- Propose incorporation of Survey expectations into DOE O 414.1C revision
- Conduct biennially
- Use DOE Quality Council – to refine survey and develop performance metrics to measure effectiveness



Other HSS QA Initiatives



- **DOE Quality Council – Initial conference call (July 2) and first 2-day meeting (August 6 & 7)**
- **New DI&C technical standard**
- **DOE G 413.3-2, QA guide for project management – being issued**
- **DOE-STD-1172, SQA Functional Area Qualification Standard - RevCom comments being resolved**
- **Interacting with External and Other QA entities (ASQ, ASME NQA-1 committee, EFCOG)**
- **Reviewing the Lessons Learned Program for improvement**
- **Updating QA Order: Kickoff held June 10-12, 2008 (Phase 2 of HSS Directives Review Initiative)**



Filter Test Facility



- HEPA filter testing rejection rates have increased
 - Manufacturing defects & not meeting specifications
- Working Team from HQ & Field established to address DNFSB letter requiring 60-day response
 - Interviewed major filter and media manufacturers & discussed manufacturing and QA processes and qualification testing
 - Discussed FTF inspection testing with the major supplier (manufacturer) during a recent FTF visit
 - Manufacturers are looking into the causes for high rate of rejection
 - SRS to conduct Supplier Source Surveillance of the major supplier
- Response in Preparation



Safety Software Central Registry Status / Actions



- Path forward to address Toolbox Code gaps developed by HSS, EM & NNSA
 - Letter to DNFSB 2/7/08
- Activities for Closure of IP 2002-1
 - Working closely with EM & NNSA to form Working Group of knowledgeable users to review gap analysis reports
 - Revision to CFAST code to include leak path factor (by NIST) nearly complete; guidance document revision by DOE in progress
- Central Registry (CR) website update in progress
 - SQA Communication Forum website enhancement
 - Receiving responses to Safety Analysis & Design Code data call on code usage from sites: information for posting on CR website



Summary



- **HSS offices working in an integrated fashion to manage QA policy, program, and oversight**
- **FY07 Survey on QA Implementation Results being published**
- **HSS and PSO's working towards closure of Recommendation 2002-1**
- **DOE Quality Council established**
- **Collaboration with HQ and Field, EFCOG, and other external agencies increasing**
- **Addressing HEPA filter-related issues**