



Office of Health, Safety and Security Quality Assurance Initiatives



2009 DOE Integrated Safety Management (ISM) Conference

Knoxville, TN

August 24-27, 2009

Colette Broussard, DOE-HQ

Office of Quality Assurance Policy and Assistance (HS-23)

Office of Nuclear Safety, Quality Assurance and Environment (HS-20)



BIO



Colette Broussard currently serves as the Director of the Office Quality Assurance Policy and Assistance (HS-23) within the Office of Nuclear Safety, Quality Assurance, and Environment (HS-20) in the Office of Health, Safety and Security (HSS). She has 25 plus years of experience working for the Department of Energy (DOE) in areas such as quality assurance, safety and health, and environmental programs. Her experience includes working at a Field Office as well as at HQ. She has been involved with the response to several Defense Nuclear Facilities Safety Board (DNFSB) recommendations; participation in, or leading a number of assessments in the areas of integrated safety management (ISM), field oversight programs, DOE quality assurance programs, and operational readiness reviews (ORRs); and leading efforts such as the Survey on QA Implementation. Colette has led several teams to update or establish DOE policy and guidance in QA including revision of the DOE G 414.1-1A (Management and Independent Assessments), DOE O 414.1C update, and the development of DOE G 413.3-2, Quality Assurance for Project Management. She received her undergraduate degree in Chemical Engineering from the University of South Florida (1983), and her Masters of Engineering in Environmental Engineering from Johns Hopkins University (2001). She is currently pursuing her DOE Technical Qualification Program training for the functional area "Quality Assurance" and expects to complete the effort by October 2009.



HSS QA Initiatives



- Formation of DOE Quality Council
- DOE Quality Council Actions
- DOE Order 414.1C Revision
- Survey on Quality Assurance Implementation



Formation of DOE Quality Council



- August 2008 - kick-off meeting
- November 5, 2008 - charter signed by HS-1
- 24 members from 18 DOE HQ & Field Offices (all Federal Personnel)
- Leadership
 - ✓ Chair: Colette Broussard, HS-23
 - ✓ Vice Chair: Bob Blyth, DOE-ID
 - ❖ Vice Chair is an elected position with a 2-yr term



DOE Quality Council Objectives



- Identify crosscutting QA issues and develop recommendations for paths forward.
- Improve the DOE QA policy (directives)
- Develop mechanisms to evaluate effectiveness of QA implementation
- Assist line management to evaluate effectiveness of QA implementation
- Support quality initiatives across the DOE complex to improve mission effectiveness
- Improve the effectiveness of quality assurance lessons learned (including recording, disseminating and implementing)
- Provide recommendations on training and qualifications programs related to QA



DOE Quality Council Objectives (cont'd)



- Work effectively with the EFCOG QA Subgroup
- Establish and maintain a working relationship with other Federal agencies and the private sector regarding QA programs, activities or lessons-learned
- Establish and maintain a working relationship with QA consensus standards bodies and professional organizations
- Assist, as requested, in reviews of QA programs, directives, etc., and
- Accomplish other objectives related to DOE QA as agreed to by the Quality Council members, or as directed by the Secretary or Deputy Secretary of Energy.



DOE Quality Council



- Annual (face-to-face) Meetings
 - ✓ August 24, 2009, Knoxville, TN
 - ✓ November 3-5, 2009, Germantown, MD
- Monthly Conference Calls
- Annual Summary
- Task Planning Documents (TPDs)
- Website -
<http://www.hss.energy.gov/nuclearsafety/qa/council>



DOE Quality Council Actions



- Task Planning Documents (TPDs) for Council Actions/Tasks:
 - ✓ QA Training for DOE HQ
 - ✓ ISM/QA Integration
 - ✓ NQA-1 Part II Application
 - ✓ DOE 2009 Survey on Quality Assurance Implementation (Deputy Secretary Memoranda)



DOE Order 414.1C Revision



- Team of HQ, Field and Contractor Representatives Were Assembled and Began Initiative in June 2008
- Several Revisions of the Order Were Drafted Based on Team Member Input
- Changes Were Incorporated and Draft Order Was Readied for Peer Review in Early May 2009



DOE Order 414.1C

Revision Status



- Completed Peer Review (May 2009)
- Finalized Comment Resolution (July 2009)
- Entering Red Team Review Phase (Red Team is composed of representatives from major HQ offices)
- Directives Review Board Phase (Estimated September 2009)
- RevCom Phase (Estimated October 2009)



DOE Order 414.1C Revision



Examples of Proposed Revisions

- Identify Integration Interfaces with ISM (DOE Manual 450.4-1) and Oversight (DOE Order 226.1A) Requirements
- Clarification of Requirements, e.g.,
 - ✓ Consensus Standards Use
 - ✓ Conflicts with Regulations
 - ✓ Submittal of Management Assessment Results Using Biennial Survey
- Annual QAP Review/Update for Feds
- Assign HQ and Field Office Quality Managers
- Update References (e.g., change NQA-1-2000 to NQA-1-2008)



Survey on Quality Assurance Implementation



- Quality Council Members from HSS, ID, BNL, RL, ORP, NNSA and SC Developed Two Surveys
- The Surveys Were Tailored to Address the Differences Between Program Offices, and Staff and Support Offices
- Responses Due in Mid-October
- Purpose of Surveys is to Assess the Status of QA Implementation
- Surveys to be Completed Every Two Years



Summary (DOE Quality Council)



- Quality Council Formed with Representatives from 18 HQ and Field Offices
- Purpose of the Quality Council is to Promote Improved Communication, Consistency, and Collaboration of Quality Assurance Across DOE
- Quality Council Currently Working on 4 Major Initiatives (Training, ISM/QA, NQA-1 Part II, and Survey on QA Implementation)



Summary

(DOE Order 414.1C Revision)



- Team of HQ, Field and Contractor Representatives Assembled to Revise DOE Order 414.1C (June 2008)
- Peer Review/Resolution of Comments (May – July, 2009)
- Entering Red Team Review Phase (Red Team is composed of representatives from major HQ offices)
- Directives Review Board Phase (Estimated September 2009)
- RevCom Phase (Estimated October 2009)



Summary



(DOE Order 414.1C Revision cont.)

Examples of Proposed Changes for DOE 414.1X

- Integrating Language for ISM and Oversight Requirements
- Clarification of Requirements
 - ✓ Consensus Standards Use (NQA-1 Versions)
 - ✓ Submittal of Management Assessment Results Using Biennial Survey
- Annual QAP Review/Update for Feds
- Assign HQ and Field Office Quality Managers



Summary



(Survey on QA Implementation)

- Quality Council Members from HSS, ID, BNL, RL, ORP, NNSA and SC Developed Two Surveys
- The Surveys Were Tailored to Address the Differences Between Program Offices, and Staff and Support Offices
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Contact



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