

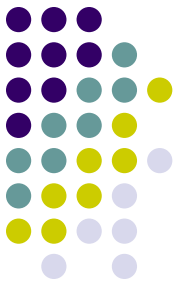
# ISM & QA Working Group Update 2008 EFCOG Semi-Annual Meeting



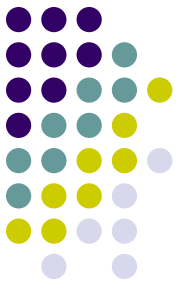
Norm Barker, Chair  
*Energy Solutions*  
EFCOG Semi-Annual Meeting  
Washington, DC  
September 17, 2008



# Overview

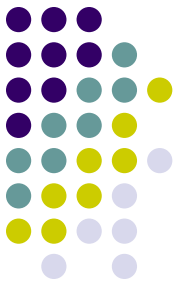


- **Organizational Changes**
- **FY08 Accomplishments**
- **FY08 Initiatives/Deliverables**
- **Summary/Path Forward**



# Organizational Changes

- **Joe Yanek to EFCOG Board**
- **Norm Barker, Energy Solutions ISM & QA Chair**
- **John McDonald, CH2M Hill, 1<sup>st</sup> Vice Chair**
- **Roy Schepens, Parsons, ISM & Integration Subgroup Chair**



# FY08 Accomplishments

- 413.3 Guide
- Safety Culture Joint DOE EFCOG Task Group
- EM QA Task Group for 5 top QA items
- DOE Vendor Day
- New Operating Experience Review Program Support
- NQA-1 Lead Auditor Support to EM for Proj. Evals.
- Suspect/Counterfeit Items
- HPI & NQA-1 Training at WG Meetings

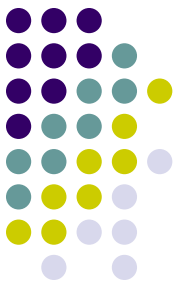
# ISM Initiatives -

## Leadership in Addressing and Integrating DOE ISM Top ISM Issues



### Tasks

- Safety Culture Criteria White Paper
- Development of a Suite of HPI Implementation Tools
  - [HPI Steering Committee Approach](#) -
    - [HPI Training Development & Implementation](#)
    - [HPI Self Assessment \(Gap Analysis\)](#)
    - Root Cause and Event Investigation deliverable
    - Safety Culture related aspects of HPI deliverable
    - Work Control Process deliverable
    - Engineering Error Reduction
    - Procedures
    - Event Prevention (HPI) Indicators



# Safety Culture Task

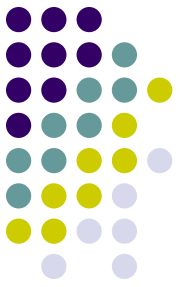
- Based on industry experience the desire for a strong safety culture within DOE has been established
- Safety culture is a top ISMS priority
- Goal: Take ISMS to level of excellence
- EFCOG/DOE ISMS Safety Culture Task Team (The Team) was formed to address this issue
- Deliverables:
  - Consensus set of safety culture principles
  - Implementation practices to positively influence change
- References: VPP, HPI, 2004-1, ISMS, HRO, INPO, IAEA, NRC

# Feedback & Improvement Initiatives



- **Re-evaluation, Re-invigoration, and Integration of Improvement Processes**
- Tasks
- HSS Complex Wide Lessons Learned System Awareness
- QA/ISM Assessment Integration
- ORPS Task Group working on a generic training module to make available to the contractors
- Continuing to work with the EFCOG WG on Contractor Assurance to understand the potential for overlap of work and scope within EFCOG
- Re-Invigoration of EFCOG Best Practices Program

# QA Initiatives – Improving Effectiveness and Consistency of QA Program Implementation

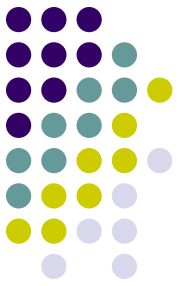


- **Tasks-General QA**
  - Support to DOE HQ EM Corporate QA Board on Top 5 EM QA Issues
  - Flow Down of QA Requirements
  - Graded Approaches to QA Application
  - NQA-1 Supplier Availability and Evaluations
  - Commercial Grade Dedication Process
  - Line Management Understanding of QA and Oversight
- Support to EM NQA-1 Audits
- Completion of 413 QA Project Implementation Guide
- Review of 414.1c Requirements and Interface with ISM 450.4 & Contractor Assurance 226.1a
- White Paper on Construction QA/QC Best Practices

# EM Corporate QA Board Focus Areas

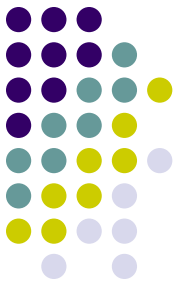


- Requirements Flow-down to Contractors and Subcontractors
- Availability of NQA-1 Suppliers/Vendors
- Commercial Grade Item Dedication Process and Acceptance of Nuclear Services
- Graded Approach to Quality Assurance
- Line Management Understanding of QA, and, Oversight



# EM-QA Task Purpose / Scope

- Purpose
  - Support DOE-EM's Challenge to Improve Quality Assurance Performance Across it's Operations
- Scope
  - Address the Five Priority Focus Areas Identified by the EM QA Corporate Board.



# QA Tasks (Continued)

- **Quality Engineering**
- Commercial Grade Dedication
- Maintenance Hold and Witness Point Selection Criteria
- The Role and Responsibilities of a Quality Engineer
- Non Safety Boundaries of SQA
- **Policy and Program Requirements**
- Relevance and Application of NQA-1 Part 2
- Developing a List of Matrices Comparing Various National Standards and DOE Orders
- Complex Wide Consistency in the Application of Quality and Procurement Classifications



# Summary / Path Forward

## **FY08 Busy Time for the ISM & QA Working Group**

- Transitioning Structure
- New Leadership

## **New Partnerships Formed & Initiatives Underway**

- Major initiative in EM QA Task Group
- Safety Culture Initiative
- Best Practices

## **New Interfaces and Coordination Started**

- Contractor Assurance
- Infrastructure
- Feedback & Improvement
- ESH