



## ISM WG Activity Schedule Input/Update Sheet

### From:

- |   |  |
|---|--|
| <input type="checkbox"/> ISM WG Chair                         | <input type="checkbox"/> Quality Assurance SG (QA) |
| <input type="checkbox"/> Feedback and Improvement SG (FI)     | <input type="checkbox"/> Other: _____              |
| <input checked="" type="checkbox"/> ISM Program Mgr. SG (ISM) |  |

### Requested Action:

- |  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> New Item | <input type="checkbox"/> Schedule Update | Tracking Number: (e.g., FI-07-01, QA-07-01, etc.)<br>_____ |
|--|--|--|

### Task Title:

White Paper on Attributes of an effective Nuclear Safety Culture

### Summary of Requested Changes/Task Description of New Item:

With the issuance of DNSFB Recommendation 2004-1 and subsequent issuance of DOE M 450.4-1 (ISM Manual) the need for a strong safety culture within DOE was established. There is presently no requirement to implement the new safety culture elements of 450.4-1 by contractors. It takes years to establish a good safety culture. Stronger long term safety performance could be achieved by DOE and its contractors agreeing to a general set of principles/guidelines that everyone could implement with some level of consistency minimizing the chance of uprooting it or redoing it based on organizational or political changes. Much has been done in the commercial nuclear industry to establish some level of consistency and consensus for a core group of principles. INPO is an example of an organization that has established principles for an entire commercial nuclear industry which included full industry participation. DOE M450.4-1 does a good job of tying together various inputs that could be used to establish safety culture principles such as High Reliability Organization (HRO) and Human Performance Improvement (HPI) elements in response to DNSFB Recommendation 2004-1.

The EFCOG ISMS Program Management and Integration Sub Group is responsibility for safety culture. Through this subgroup, it is proposed that a joint EFCOG/DOE sponsored project be initiated to identify a consensus set of safety culture principles to be used by DOE and its contractors. This effort would result in a similar product to that produced in the commercial nuclear power industry, the INPO Principles for a Strong Nuclear Safety Culture. A diverse team of senior industry leaders representing major contractors, DOE, DNFSB, and INPO would be jointly established through the DOE and EFCOG to draft safety culture principles for use by DOE and its contractors.

Proposed Outcome: An EFCOG/DOE endorsed White Paper on Attributes of an Effective Nuclear Safety Culture would be issued similar to the INPO document for recommended use by all contractors and DOE. This document may include how to integrate safety culture principles into various processes, may be issued as recommendations to the ISM Manual, guidance, or EFCOG

document, to be determined.

Executive Sponsors:

David Amerine, Parsons

Glenn Podonsky, DOE

Project Co-Chairs

John McDonald, CH2M HILL

Pat Worthington, DOE HSS

Participants:

Contractors

Norm Barker, Energy Solutions

Todd Conklin, LANL

Steve Lindamood, Parsons

Frank McCoy (WGI)

John McDonald, CH2M HILL (Co-Chair)

Joe Midgett, Bechtel

Jim Tarpinian, Battelle

Gail Walden, Fluor

David Zeff, BWXT

DOE

Earl Carnes, DOE HSS

Dae Chung, DOE EM

David Compton, DOE HSS

Frank Russo, NNSA

Pat Worthington, DOE HSS (Co-Chair)

Other

George Mortensen, INPO

Douglas Minnema (DNFSB)

Wayne Frazier (NASA)

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**New Item**

Start Date:

Est. Completion: Date:

**Existing Item**

Revised Estimated Completion Date:

Completion Date: