



DOE/EFCOG
ELECTRICAL SAFETY IMPROVEMENT
PROJECT TEAM (ESIP)
ACCOMPLISHMENTS FOR CALENDAR
YEAR 2006 &
PATH FORWARD

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ACCOMPLISHMENTS FOR CALENDAR YEAR 2006

- n PROJECT AREA #1 - Develop standard reporting criteria and performance measurement

Deliverable/Status: COMPLETED; ready for use DOE Complex wide

Criteria and Review Approach Documents (CRADs) for Electrical Safety Programmatic, Operations, Design, and Construction were published. The documents incorporated the NEC Guidance and the NEC/IEEE STD Vital Safety System requirements and are available on the EFCOG Website:
www.efcog.org/wg/ism_esip/index.htm

- n PROJECT AREA #2 - Develop qualifications for DOE Technical Authorities

Deliverable/Status: PARTIALLY COMPLETED; to be complete by 12/31/06

DOE Standard Electrical Functional Area Qualification Standard DOE-STD-1170-2006 (DRAFT) was posted to the EFCOG web site on October 16, 2006. The standard is undergoing DOE review/approval. A DRAFT Guide for Contractors is in work.





ACCOMPLISHMENTS FOR CALENDAR YEAR 2006

n PROJECT AREA #3 - Revise DOE Electrical Safety Policy and Handbook

Deliverable/Status: In Progress being integrated with 10CFR851

Proposed modifications to the Handbook were presented during the course of the year, and a recommendation of how to integrate the Handbook with the requirements of 10 CFR 851 will be accomplished in calendar year 2007; consistent with implementation of 10CFR851.

n PROJECT AREA #4 - Reporting Criteria/Performance Measurement

Deliverable/Status: COMPLETE; ready for use DOE Complex wide

A performance measurement tool, The Electrical Severity Index, was developed during the year. Testing of this performance method of collecting electrical safety information was successfully conducted at SRS, LANL, PNNL, BNL, INL, and NTS. This tool is posted on the EFCOG Website:
www.efcog.org/wg/ism_esip/index.htm





ACCOMPLISHMENTS FOR CALENDAR YEAR 2006

- n PROJECT AREA #5 - Develop world-class Electrical Safety Awareness Training
Deliverable/Status: Modules 1-7 are complete, and ready for use DOE Complex wide; Module 8 is under review
 - Module 1, Basic Electrical Safety for Non-electrical Personnel
 - Module 2, Electrical Cord Safety
 - Module 3, Electrical Safety During Arc Welding and Plasma Cutting
 - Module 4, Electrical Safety Working Near Overhead Power Lines
 - Module 5, Electrical Safety During Excavations and Trenching
 - Module 6, Electrical Safety for Skilled Non-electrical Worker
 - Module 7, Electrical Safety Hazard Awareness Study Guide for Instructors and Students
 - Module 8, Electrical Safety for R&D/Engineers – will complete by 12/31/06





ACCOMPLISHMENTS FOR CALENDAR YEAR 2006

n PROJECT AREA #6 - Controlling Energized Work Hazards

Deliverable/Status: In Progress – will be completed by 12/31/06

The team developed a series of “Best Practices” addressing three areas: 1) a clear definition of what is considered energized work, 2) an Energized Electrical Work Permit format that provides recommendations for the authorizing authority level, and 3) guidance for safe work practices on or around neutral conductors. The best practices will be posted on the EFCOG and DOE web sites.

n PROJECT AREA #7 - Consolidate All Electrical Safety Activities

Deliverable/Status: COMPLETE

An Electrical Safety Taskgroup, within the Occupational Safety & Health Subgroup under EFCOG’s ISM Working Group; was formed. The group met in Las Vegas, Nevada, on October 30 – 31, 2006. In addition to developing appropriate initiatives, they will assume the responsibility for transitioning all ESIP Team activities.

