Task Title: Fall Protection Clearance Distances

Task Description: Provide guidance on the application of fall protection clearance distances when using a leading edge SRL.

Deliverable(s):

Status Date: White paper was completed and submitted to Bill McArthur on 5/12/2015
5/1/2015

History/Comments:

Description of Savings:

DOE Sponsor(s): Pat Worthington

Best Practices Generated □
Coordinate with Other EFCOG Working Group

**Task Title:** Develop Best Practice for “Breaker/disconnect Switch Operation and Required PPE”

**Task Description:** Develop best practice for “Breaker/disconnect Switch Operation and Required PPE” as it relates to arc flash hazards and NFPA 70E 2015 requirements. This best practice will benefit each site’s electrical safety program and provide consistent guidance that will promote compliance and worker safety.

There will be a best practice developed and posted to the EFCOG Electrical Safety Group webpage.

**Deliverable(s):** There will be a best practice developed and posted to the EFCOG Electrical Safety Group webpage

**Status Date:** 7/19/2016

Completion date may be extended. Working on the surveys across the complex to build the best practice and ensuring we have a product that will benefit each site.

**History/Comments:**

**Description of Savings:**

**DOE Sponsor(s):** Pat Worthington

**Best Practices Generated**: □
## Task Sheet Number
WSH/ES-16-06

## Task Title:
Develop Best Practice for “Contact Release Training”

## Task Description:
Develop best practice for “Contact Release Training” as it relates to NFPA 70E 2015 required training. This best practice will benefit each site’s electrical safety program and provide consistent guidance that will promote compliance and worker safety.

There will be a best practice developed and posted to the EFCOG Electrical Safety Group webpage.

## Deliverable(s):
There will be a best practice developed and posted to the EFCOG Electrical Safety Group webpage.

## Status Date:
7/19/2016
Working on reviewing several existing training materials. The training will be developed and sent out for review within the next few months.

## History/Comments:

## Description of Savings:

## DOE Sponsor(s):
Pat Worthington

## Best Practices Generated
☑️
Task Sheet Number: WSH/ES-16-08  
Task Title: Develop Best Practice for “DC Arc Flash Calculations”

**Task Description:** Develop best practice for “DC Arc Flash Calculations” as this relates to the Ammerman method used in an excel spreadsheet. This best practice will benefit each site’s electrical safety programs and provide consistent guidance that will promote compliance and worker safety.

There will be a best practice developed and posted to the EFCOG Electrical Safety Group webpage.

Deliverable(s): There will be a best practice developed and posted to the EFCOG Electrical Safety Group webpage.

Status Date: 7/19/2016  
Evaluating Arc-Pro Software. Will complete products at the summer workshop in July, then develop the best practice from workshop activities.  
On track to meet end of FY16 completion goal.

History/Comments:

Description of Savings:

DOE Sponsor(s): Pat Worthington

Best Practices Generated: ✔

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Task Sheet Number: WSH/ES-16-16

Task Title: Develop Materials for “May, National Electrical Safety Month.”

**Task Description:** Develop materials for “May, National Electrical Safety Month” and distribute to the entire DOE complex for use.  
Theme this year is “Battery Safety”. Benefits all sites electrical safety programs.

Deliverable(s):

Status Date:

History/Comments:

Description of Savings:

DOE Sponsor(s):

Best Practices Generated: ❌
Sponsor the “EFCOG/DOE Electrical Safety Workshop 2017”

Sponsor EFCOG/DOE 2017 Electrical Safety Workshop in the summer at a site to be determined. Expected to have ~150 attend.

Working meeting will produces some of the products for our electrical safety task group and begin discussions for future products. All current products and future products will benefit all sites LOTO and electrical safety programs.

Deliverable(s):

Status Date:

History/Comments:

Description of Savings:

DOE Sponsor(s):

Best Practices Generated □
### Task Sheet Number

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### Coordinate with Other EFCOG Working Group

**Task Title:** Develop Best Practice for “Battery Risk Assessment Flowchart”

**Task Description:** Develop best practice for “Battery Risk Assessment Flowchart” as it relates to requirements in the NFPA 70E 2015. This best practice will benefit each sites electrical safety programs and provide consistent guidance that will promote compliance and worker safety.

**Deliverable(s):** There will be a best practice developed and posted to the EFCOG Electrical Safety Group webpage.

**Status Date:**

### History/Comments:

### Description of Savings:

### DOE Sponsor(s):

### Best Practices Generated ✔

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### Task Sheet Number

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<td>WSH/ES-16-20</td>
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### Coordinate with Other EFCOG Working Group

**Task Title:** Develop Best Practice for “Look-a-Like Equipment Control Methods”

**Task Description:** Develop best practice for “Look-a-Like Equipment Control Methods” as it relates to requirements in the NFPA 70E 2015. This best practice will benefit each sites electrical safety programs and provide consistent guidance that will promote compliance and worker safety.

**Deliverable(s):** There will be a best practice developed and posted to the EFCOG Electrical Safety Group webpage.

**Status Date:**

### History/Comments:

### Description of Savings:

### DOE Sponsor(s):

### Best Practices Generated ✔
Coordinate with Other EFCOG Working Group

Task Title: Develop Physical Agents TLV Guidance

Task Description: Provide guidance on the application and implementation of a portion (i.e., lifting) of the ACGIH Ergonomics physical agent TLVs (ergonomic, heat stress). Deliverable will be draft guidance submitted to AU-10.

Provide guidance on the application and implementation of a portion (i.e., heat stress) of the ACGIH Thermal Stress TLV. The guidance document will include: requirements and changes in the TLV, identification of low and high risk activities, information for workers, how to perform a detailed heat stress analysis for work activities, and information on physiological monitoring techniques.

Deliverable(s): Training and implementation materials for lifting
Technical guidance document

Status Date: 7/28/2016
Ergonomics rough draft of white paper completed. On schedule to release at the end of FY16.
Heat Stress: due to site personnel changes, will be unable to finalize document by end of FY16. New date will be provided.

History/Comments: 5/1/2015 - ACGIH TLV on Heat Stress viewed by several task team members. Discussion with AU-10 personnel to verify form of guidance. Teams are being formed to address ergonomics and heat stress.

Description of Savings:

DOE Sponsor(s): Pat Worthington

Best Practices Generated ☐
**Coordinate with Other EFCOG Working Group**

**Task Title:** WSH-2015-12 Best practice for RFID chemical inventory barcoding in DOE facilities

**Task Description:** Best practice for RFID chemical inventory barcoding in DOE facilities

**Deliverable(s):** Technical Guidance document.

**Status Date:** No significant progress this quarter to report. Project still on schedule.
7/20/2016

**History/Comments:**
5/1/2015 - A whitepaper was drafted by Jeff Sickau, ORNL, and is under review by the CSLM TTG RFID Task Team. The direction/content of the paper may evolve to an implementation document versus an overview of the technology.

**Description of Savings:**

**DOE Sponsor(s):** Pat Worthington

**Best Practices Generated** □

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**Coordinate with Other EFCOG Working Group**

**Task Title:** Develop Best Practices for Improved IH/Occ Med Coordination

**Task Description:** Identify best practices to ensure excellence in communication between Occupational Medicine SOMD/providers and Industrial Hygiene program/field personnel.

**Deliverable(s):** Best practices posted on the EFCOG website

**Status Date:** On schedule to finalize at October face to face meeting.
7/22/2016

**History/Comments:**

**Description of Savings:**

**DOE Sponsor(s):** Pat Worthington

**Best Practices Generated** □
Coordinate with Other EFCOG Working Group  Occupational Medicine

Task Title: Benchmark Heat Stress Hazard Controls

Task Description: Benchmark heat stress hazard control approach across sites (Phase 1) with respect to medical physiologic monitoring and medical pre-clearance approaches for heat stress work in regards to recent DOE acceptance of guidelines from the ACGIH 2015 TLV booklet that is tied to the 2005 10 CFR Part 851 Rule, i.e., “...a sustained heart rate of 180 minus the worker’s age” and then provide best practice recommendations using a graded approach. (Phase 2).

Final Deliverable: Provide and post best practices recommendations on the EFCOG website

Deliverable(s): Best practices posted on the EFCOG website.

Status Date: 7/22/2016 - This was discussed with IH at the Los Alamos fall meeting (2015) Use of Monitoring devices was reviewed. This continues to be in discussion with IH. Ongoing.

History/Comments:

Description of Savings:

DOE Sponsor(s): Pat Worthington

Best Practices Generated □
Task Sheet Number: WSH/IHS-15-07

Coordinate with Other EFCOG Working Group

Task Title: Update DOE-HDBK-1139 Chemical Management Volume 3


Deliverable(s): Updated DOE-HDBK-1139 Volume 3 of 3

Status Date: 5/1/2015
The updated volume 3 chapter drafts were delivered to DOE AU-11 in October 2014. AU-11 is developing a Project Justification Statement (PJS) for the Vol 3 review. This PJS will be submitted to the Directives Review Board to begin the DOE Technical Standards review process. This process is facilitated by the CSLM POC at DOE who in the recent past was Joe Hopkins. Prior to his retirement, Joe had been seeking guidance on the review process, his replacement has not yet been named by Bill McArthur, Manager AU-11.

History/Comments:

Description of Savings:

DOE Sponsor(s): Pat Worthington

Best Practices Generated ☐
Task Group Laser Safety

Task Sheet Number WSH/LS-15-16

Task Start Date 1/1/2015

Estimated Completion Date 9/30/2016

Coordinate with Other EFCOG Working Group

Task Title: Benchmark Controls Requirements

Task Description: 13 controls requirements in ANSI Z136.1 are being benchmarked. We want to achieve consistent best practices for all DOE Facilities and recommend policy statements for DOE site safety manuals.

Deliverable: Benchmarking survey results documented and reviewed by the Laser Safety Technical Group.

Deliverable(s): Report posted on LSTG website. Presentation given at LSO Workshop and posted on Workshop website.

Status Date: 7/22/2016

Work on track to complete by 9/30/2016. Draft report is complete + benchmarking survey with DOE sites was completed. Also gathering input from Occ Med working group on eye exam and skin exam requirements. Work will be presented at DOE LSO Workshop at Fermilab in Sept 2016.

History/Comments: 4/27/2015 - A SurveyMonkey questionnaire was developed with questions on controls requirements descriptions for a variety of engineering, administrative and PPE controls requirements for Class 3B and Class 4 laser use. 15 DOE Facilities submitted input for the questionnaire and this was reviewed at the Laser Safety Technical Group's Mini-Workshop on March 27-28 at the NTC site, Kirtland AFB, Albuquerque. The Group is currently working on follow-up to the results presented there.

Description of Savings:

DOE Sponsor(s): Steve Singal

Best Practices Generated ☐
Coordinate with Other EFCOG Working Group

**Task Title:** Develop Best Practices: NTC Laser Safety Course and ANSI Z136

**Task Description:** Develop and post best practices for:
   i) DOE-NTC Laser Safety Course; and
   ii) ANSI Z136 laser safety standard evaluation

**Deliverable(s):** Best practices posted on EFCOG website and linked from LSTG website.
   Completion dates: i) Z136 eval by 9/30/2016; ii) Laser Safety Course by 12/15/16.

**Status Date:** 7/22/2016
   Will complete by 9/30/2016. For the NTC laser course will include information on implementation at DOE sites. For the Z136 evaluation will include information from subsequent benchmarking exercise.

**Description of Savings:**
   DOE Sponsor(s): Steve Singal

**Best Practices Generated:**

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**Task Title:** Develop Reflective Eyewear Guidance

**Task Description:** Review safety concerns with dielectric-coated reflective eyewear and develop associated guidance documents.

**Deliverable(s):** Presentation given at LSO Workshop in Sept 2016. Guidance document posted on LSTG website

**Status Date:** 7/22/2016
   Will complete by Oct. 31, 2016. Talk will be presented on this at DOE LSO Workshop in Sept 2016 and then developed into a guidance document.

**Description of Savings:**
   DOE Sponsor(s): Pat Worthington and Steve Singal

**Best Practices Generated:**
Task Title: 2016 LSO Workshop

Task Description: 125-150 attendees are expected from DOE, other government facilities, universities, and industry. Discuss and share challenges and solutions in laser safety applications.

Deliverable(s): Workshop held and presentations linked from EFCOG LSTG website

Status Date: Workshop dates are now Sept 27-29, 2016. Workshop website has program info and other logistics; see https://indico.fnal.gov/conferenceDisplay.py?ovw=True&confId=10202. Currently 67 registrants.

History/Comments:

Description of Savings:

DOE Sponsor(s): Pat Worthington & Steve Singal

Best Practices Generated □

Task Title: Controls Benchmarking Study

Task Description: Continue FY16 benchmarking study with 10 new controls; focus on laser safety program management. Recommend policy statements for DOE site safety manuals to implement the requirements.

Deliverable(s): Controls Benchmarking report complete and linked on EFCOG LSTG website.

Status Date:

History/Comments:

Description of Savings:

DOE Sponsor(s): Steve Singal

Best Practices Generated □
**Task Sheet Number**: WSH/LS-16-19  
**Task Start Date**: 10/1/2016  
**Estimated Completion Date**: 9/30/2017

**Task Group**: Laser Safety  
**Working Group**: Laser Safety

**Coordinate with Other EFCOG Working Group**

**Task Title**: Benchmark study how LSO function

**Task Description**: Benchmark and study how LSO function is managed at labs. Include info on # laser facilities, # 3B/4 lasers and # laser workers. Assess how LSO function is managed and recommend best practice.

**Deliverable(s)**: Benchmarking report complete and linked on EFCOG LSTG website

**Status Date**:

**History/Comments**:

**Description of Savings**:

**DOE Sponsor(s)**: Steve Singal

**Best Practices Generated**: □

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**Task Sheet Number**: WSH/LS-16-20  
**Task Start Date**: 2/1/2017  
**Estimated Completion Date**: 7/1/2017

**Task Group**: Laser Safety  
**Working Group**: Laser Safety

**Coordinate with Other EFCOG Working Group**

**Task Title**: Laser Worker Survey

**Task Description**: Conduct 2nd DOE-wide laser worker survey. Assess safety of laser operations and identify risk factors needing additional mitigation

**Deliverable(s)**: Survey completed and results communicated to all DOE laser workers + posted on LSTG website.

**Status Date**:

**History/Comments**:

**Description of Savings**:

**DOE Sponsor(s)**: Steve Singal

**Best Practices Generated**: □
**Task Title:** Laser Worker Survey

**Task Description:** Pick topic from 2015 laser personnel survey to study in more detail; probably eyewear requirement violations. Assess risk and identify possible ways to mitigate risk. Incorporate questions into 2017 laser worker survey

**Deliverable(s):** Document results in report and post on LSTG website

**Status Date:**

**History/Comments:**

**Description of Savings:**

**DOE Sponsor(s):** Steve Singal

**Best Practices Generated:**

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**Task Title:** Laser Worker Training

**Task Description:** Track implementation of DOE-NTC Laser Worker Training course. Identify issues to address in next revision. Want to achieve wider implementation of this course across DOE complex to improve training of all laser workers.

**Deliverable(s):** Document following and post on LSTG sharepoint site on NTC server: # labs utilizing course + # personnel completing it, + issues to address in next revision.

**Status Date:**

**History/Comments:**

**Description of Savings:**

**DOE Sponsor(s):** Steve Singal

**Best Practices Generated:**

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### Task Sheet Number: WSH/LS-16-23

**Task Title:** Best Practices on LSO Workshops and Controls Benchmarking Study

**Task Description:** Develop Best Practice items on: i) LSO Workshops, and ii) Controls Benchmarking Study

**Deliverable(s):** Best Practice documents posted on EFCOG website and linked from LSTG site.

#### Coordinate with Other EFCOG Working Group

**Task Start Date:** 11/1/2016  
**Estimated Completion Date:** 9/30/2017

#### DOE Sponsor(s): Steve Singal

#### Best Practices Generated: ☐

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### Task Sheet Number: WSH/LS-16-24

**Task Title:** Best Practices on LSO Workshops and Controls Benchmarking Study

**Task Description:** Setup LSTG sharepoint site on NTC server. This will enable an LSTG web location for working versions of LSTG documents + internal documents that don't want on public LSTG EFCOG site.

**Deliverable(s):** Sharepoint site setup and internal documents posted

#### Coordinate with Other EFCOG Working Group

**Task Start Date:** 11/1/2016  
**Estimated Completion Date:** 12/15/2016

#### DOE Sponsor(s): Steve Singal

#### Best Practices Generated: ✔
Task Title: Assessment of concerns with 10 CFR 1046, 707, and 712

Task Description: Assess and summarize concerns with 10 CFR 1046, 707 and 712 as follows:

- Review the occupational Medicine Board certification requirements in 1046 and provide analysis on costs and logistics to group to determine if exemption request is warranted.
- Benchmark all Occ Med programs at DOE contractor sites where 1046 applies to determine areas needing clarification for implementation and create a tool kits for shared use for programs to assist in the implementation process.
- Assess status of 707 revisionary process and explore potential changes and impacts on current programming.
- Assess status of 712 revisionary process and explore potential changes and impacts on current programming.

Deliverable(s): Review the occupational Medicine Board certification requirements in 1046 and provide analysis on costs and logistics to group to determine if exemption request is warranted.

Benchmark all Occ Med programs at DOE contractor sites where 1046 applies to determine areas needing clarification for implementation and create a tool kits for shared use for programs to assist in the implementation process.

Assess status of 707 revisionary process and explore potential changes and impacts on current programming.

Assess status of 712 revisionary process and explore potential changes and impacts on current programming.

Status Date: 8/22/2016

The costs analysis of board certification as well as program impact was completed and presented in spring 2016. A teleconference with Mike Ardaiz and security facilitated by Bill McArthur and Pat Padezanin occurred at the spring meeting in Washington, DC to discuss this information and a request for a possible exemption was made. The occupational medicine group was given the opportunity to explore an exemption and is currently working on a proposal for presentation in the fall. A dedicated subgroup is working on this and present back to the main group regularly through our monthly teleconferences.

Benchmarking has been ongoing and files on this benchmarking are saved in a shared database. In addition programs that have successfully implemented 1046 at their sites are sharing their best practices and reporting documents through a shared tool kit.

At the spring meeting 2016 the Occ Med group was informed that the revisions for 70 were on hold and that a release of a revised document is not anticipated at this time or in the next year. The group continues to benchmark the current 707 rule practices as topics arise, but has decided to hold off on time on 707 review in any detail until the regulatory change process begins.

Our group was recently informed that revisions for 712 are being explored and that currently there is no occupational medicine expertise involved in this process. This is of concern to us and we are proceeding with exploring a recommendation to seek our input on this process. Of particular concern is the information that the same occupational medicine board certification requirement is being proposed for 712 as was for 1046.

History/Comments: April 22, 2015, the Occ Med technical group has assigned a small cohort to take a close look at the Board certification requirement and its impact on the DOE contractors from a cost as well a logistical standpoint. The number of physicians (SOMDs) in the complex who are not board certified in occ med will be assessed. Total cost (both for the certification and cost of time away to get certification will also be considered) – The group already has identified that the pipeline for new occupational certified physicians is already inadequate to meet the need. In addition, the salaries provided by DOE contractors does not meet the market for this specialty. A final report will be produced. Early data has already been provided to CRENEL on this topic. They have asked for further data analysis.

On the topic of the implementation of the new psychological assessment requirement for SOs– A cost analysis is being looked at for those programs that did NOT have HRP and thus were not set up for this type of rigor. Also the SOMDs have started sharing their approach to implementation of these requirements and also the new reporting requirements back to DOE HQ. The team has set up a collaboration site and is currently sharing best practices, data for the analysis as well as creating a tool kit for all sites to use related to these topics. October EFCOG meeting – Week of October 19th is the planned date for reviewing the accumulated data. The SOMDs will be having monthly teleconferences up until that time.

8/4/2016 We have not had time to benchmark 707 implementation in any great detail. We have been waiting for the new revisions to the regulation to be released and were informed at our spring meeting that this has
been delayed and that in general unless the rule has been in the pipeline for the regulatory change process that we should not expect a revision any time soon

We instead focused on the 1046 implementation challenges and have been very involved in doing a cost analysis of implementation, addressing barriers to implementation and benchmarking how these barriers have been approached at each site. The occ med chair met with Bill McArthur and had a tele-video meeting with security and Mike Ardaiz at the spring meeting in DC. The option for a possible exemption for occupational medicine board certification requirement for the PPMD under 1046 was discussed. The occ med group has created a subgroup that is working on that exemption language and criteria with intent to present this in the fall. They are also looking at the bigger picture of physician availability or the DOE sites for the future.

Description of Savings:

DOE Sponsor(s): Pat Worthington

Best Practices Generated □
Coordinate with Other EFCOG Working Group  Industrial Hygiene & Safety

Task Title: Benchmark Heavy Lifting Limit Best Practices

Task Description: Benchmark heavy lifting limit best practices and drivers (if applicable) across the DOE Complex (Phase 1) as well as approaches to classification of categories of lifting requirements and fit-for-duty assessments related to these classifications. Provide consensus on best practices (Phase 2).

Provide and post consensus best practices recommendations on the EFCOG website. (This is assignable to IH)
Benchmark fit for duty assessments with respect to heavy lifting through the occupational medicine programs across the complex by exploring legal issues in implementation and looking at actual practices.
Produce a shared benchmarking documents and a shared best practice guideline for occ med use.

Final Deliverable: Provide and post consensus best practices recommendations on the EFCOG website.

Deliverable(s):
- Provide and post consensus best practices recommendations on the EFCOG website.
- Benchmark fit for duty assessments with respect to heavy lifting through the occupational medicine programs across the complex by exploring legal issues in implementation and looking at actual practices.
- Produce a shared benchmarking documents and a shared best practice guideline for Occupational Medical use.

Status Date: 8/22/2016
IH is working on this and this should be on their task list. Note at the Fall 2015 meeting we had a joint meeting and also a presentation on recommended heavy lifting best practices and guidelines.

Early discussions of site approaches to assessing the fitness of workers for heavy lifting has started along with discussions on legal hurdles experienced with these assessments. Formal benchmarking with actual site practices will be documented after the fall 2016 meeting

A best shared best practice document is planned for spring 2017.

History/Comments: 7/22/2016 - At the occupational medicine fall meeting in Los Alamos at a joint meeting of IH and OCC Med, heavy lifting standards and approaches were presented by Riley Splittstoesser and Dan O'Farrell. Their approach to training, signage and recommendations for complex consensus were reviewed. A discussion followed. No further follow up on consensus for lifting was addressed. Subsequent meetings have included benchmarking on fitness assessments for physical fitness – including legal barriers. Will continue to discuss with goal for best practices in collaboration with IH.

Description of Savings:

DOE Sponsor(s): Pat Worthington

Best Practices Generated ✓
Task Group: Occupational Medicine

Task Title: Occupational Medicine Peer Review Processes

Task Description: Assign a subgroup to propose a methodology/approach to peer review that is meaningful to the DOE Occupational medicine clinics and present and get group approval for this
Agree upon a pilot site for this peer review and perform the review process
Provide a summary of the peer review to the Occ Med group for discussion on lessons learned and propose any revisions or next steps
Make a recommendation for use of this Peer Review Process across the complex if applicable, posting guidelines on the EFCOG website and shared Occ Med files

Deliverable(s):
Assign a subgroup to propose a methodology/approach to peer review that is meaningful to the DOE Occupational medicine clinics and present and get group approval for this
Agree upon a pilot site for this peer review and perform the review process
Provide a summary of the peer review to the Occ Med group for discussion on lessons learned and propose any revisions or next steps
Make a recommendation for use of this Peer Review Process across the complex if applicable, posting guidelines on the EFCOG website and shared Occ Med files

Status Date:

History/Comments:

Description of Savings: Investigate and propose an alternative peer review process to replace and/or augment clinic accreditation methods provided by vendors external to the DOE with emphasis on 10 CFR851 compliance

DOE Sponsor(s): Pat Worthington

Best Practices Generated: Yes
**Task Title:** Create Occupational Medicine Shared Document Files

**Task Description:**
1. Present options for discussion of shared secured record systems and have the SOMDs decide upon best options
2. Create a file structure and shared document system for DOE contractor occupational medicine program use

**Deliverable(s):**

**Status Date:** COMPLETED – Occupational medicine now uses BOX - a file sharing cloud based system sponsored by Argonne – Officers are co-owners and files can be shared, edited and uploaded by all members invited and granted access authorization.

**Description of Savings:** Efficient method of sharing benchmarking, presentations and other documents and records of value to the Occupational Medicine site occupational medical directors. Save time and effort and creates transparency.

**DOE Sponsor(s):** Pat Worthington

**Best Practices Generated** ☐
**Task Title:** Approach to travel accommodations

**Task Description:** Perform benchmarking on DOE site and external agency practices on approach to travel accommodation requests through the occupational medicine clinic
   - Explore legal requirements under ADA which impact past and current approaches
   - Discuss and agree upon best practices and document these for the DOE Contractor Occupational medicine programs to share

**Deliverable(s):**
- Perform benchmarking on DOE site and external agency practices on approach to travel accommodation requests through the occupational medicine clinic
- Explore legal requirements under ADA which impact past and current approaches
- Discuss and agree upon best practices and document these for the DOE Contractor Occupational medicine programs to share

**Status Date:**

**History/Comments:**

**Description of Savings:** Benchmark Complex wide occupational medicine program approaches to travel accommodation requests

**DOE Sponsor(s):** Pat Worthington

**Best Practices Generated** ✔
Task Title: Physical Therapy Programs

Task Description: Benchmark complex to see which sites currently have onsite or local contracted physical therapy services. and establish a matrix of types of PT services provided and goals of programs.

Establish a matrix of types of PT services provided and goals of programs - Create spreadsheet which compares approaches to this service (goals, funding sources, services provided) and looks at metrics from programs to include costs, ROI, decreased lost work time, etc.

Discuss findings with the group and create a shared best practice statement on PT services.

Deliverable(s): Benchmark complex to see which sites currently have onsite or local contracted physical therapy services. and establish a matrix of types of PT services provided and goals of programs.

Establish a matrix of types of PT services provided and goals of programs - Create spreadsheet which compares approaches to this service (goals, funding sources, services provided) and looks at metrics from programs to include costs, ROI, decreased lost work time, etc.

Discuss findings with the group and create a shared best practice statement on PT services.

Status Date:

History/Comments:

Description of Savings: Benchmark Physical Therapy programs currently in practice across the complex and explore their impact on injury and health benefit costs as well as role in fitness for duty.

DOE Sponsor(s): Pat Worthington

Best Practices Generated ✔
Task Sheet Number | Task Start Date | Estimated Completion Date
-------------------|----------------|-------------------------
WSH/RP-15-01 | 10/1/2014 | 9/30/2017

Coordinate with Other EFCOG Working Group

**Task Title:** Align DOE requirements in 10 CFR 835 App. D and DOE O 458.1 with those of ANSI N13.12 - Volumetric Radioactivity

**Task Description:** Provide technical support and recommendations that support DOE amendment of 10 CFR 835, App. D; revision of DOE O 458.1, alignment of DOE policy with approved consensus standards, and update of various DOE impacted DOE guides and standards. This is a multi-year support task to DOE. Final outcome is updated regulatory and policy documents that provide consistent criteria for radiological release of personal property.

**Deliverable(s):** EFCOG RP TTG to provide a white paper discussing the impact of adopting these screening levels as well as proposed ways to address the potential issues identified.

**Status Date:** 8/22/2016

At the Spring 2016 meeting, it was decided to address the volumetric radioactivity screening level part of N13.12 in relation to DOE O 458.1 as a first step. Much more work is needed to adopt the surface radioactivity screening levels. So, surface levels will be addressed as a separate task.

A working group was established. Phone conferences were held on June 14 and August 2, 2016. The recently issued DOE-STD-6004-2016 which addresses clearance and release of personal property from accelerator facilities, as well as relevant IAEA publications were discussed. These documents provide useful technical bases that can be used to assist with implementation of the ANSI Standard.

A draft White Paper has been written and circulated among working group members for review. It will be discussed in details with the wider RP TTG membership at the October meeting in Livermore.

**History/Comments:**
5/18/2015 - Discussed general needs with AU-10/11 staff at the March 2015 RP EFCOG meetings. DOE currently is requesting no assistance as they develop the DOE path forward. A support request is anticipated in the next year. Final deliverables maybe impacted by WM Return to Service action resolution.

7/1/2016 - At the Spring 2016 meeting, it was decided to address the volumetric part of N13.12 in relation to DOE O 458.1 as a first step. The surface values is a much longer leg to work. All sub-group members have familiarized themselves with N13.12 and basis models. Phone conference was held on June 14, 2016. INL member brought up recent issuance of DOE-STD-6004-2016 concerning volumetric release from accelerator facilities. We agreed to review this document and reconvene on 08/02/2016 to continue discussions.

**Description of Savings:**
Intent and application of DOE/NNSA rules, directives, and standards for worker safety and health are consistently understood

Established network of DOE/NNSA safety professionals that facilitates timely communication on critical issues with significant regulatory and/or safety implications

**DOE Sponsor(s):** Pat Worthington, James Dillard and Derek Favret

**Best Practices Generated**


Task Title: Benchmark Five Occupational Radiation Protection Topics

Task Description: Conduct at least 5 benchmarking efforts on topics provided by RP members or DOE sponsor/POC. Prepare summary of results and, as appropriate, recommendations for additional actions. Areas reviewed should focus on RP program elements that improve safety and/or consistency of individual contractor programs.

Final Deliverable: Post and/or distribute benchmarking results recommendations within the EFCOG membership.

Deliverable(s): Document and make available to members benchmarking results. Prepare and present summary of results and related recommendations at EFCOG meetings.

Status Date: 8/22/2016

History/Comments: 7/22/2016 - Three issues have been benchmarked this year. Database being updated as results are received. Radiation Protection EFCOG documents are being kept and shared via SharePoint site controlled by NTC.

Description of Savings:

DOE Sponsor(s): Pat Worthington & Jim Dillard
Coordinate with Other EFCOG Working Group

Task Title: Develop white paper on the complex-wide issue of radiation protection (RP) professional qualification and on the approach to plan for future staffing needs.

Task Description:
- Radiation protection is a safety discipline that requires unique set of skills and knowledge.
- A large population of RP professionals is retiring, taking with them invaluable knowledge, experience and expertise.
- While RP programs at DOE facilities often have different challenges depending on the facility’s mission, they do share a lot in common.
- Graduates from health physics college programs have basic knowledge but lack experience and specific knowledge necessary to be successful at a DOE facility.
- An authoritative guide on the necessary qualification and the methods to reach such qualification, based on collective experience of current DOE programs, will help bolster the facilities’ chances for continued success.

Deliverable(s):
- White paper that addresses DOE-complex-specific topic of RP professional qualification and recommended approach to planning for future staffing needs.

Status Date: 8/1/2016
- SharePoint folder established on the RP EFCOG SharePoint
- Downloaded legacy training course materials and survey materials from 2009. Suspect only minor updates needed for Rad Eng questionnaire to reflect technology changes are necessary. Need to figure out what other positions we want to survey and develop check list
- Discussed development of a Survey/Questionnaire to define KSAs for specific positions.
- DOE, Jim Dillard has expressed interest in working on this project
- We have on the agenda for the October meeting

History/Comments:

Description of Savings:

DOE Sponsor(s): Pat Worthington and James Dillard

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Coordinate with Other EFCOG Working Group

**Task Title:** Align DOE requirements in 10 CFR 835 App. D and DOE O 458.1 with those of ANSI N13.12 - Draft Scenarios for Surface Contamination

**Task Description:** The DOE is currently looking into revising the surface contamination values for both 10 CFR 835 Appendix D and DOE O 458.1. As discussed at the March ‘16 EFCOG RP subgroup meeting, they have looked into the adoption of ANSI N13.12-2013 values; however, there are several challenges that may not make these values appropriate for DOE activities. The DOE current goal is to develop DOE-specific scenarios that would encompass a broad range of DOE activities for both Appendix D and 458.1 activities, such as clearance of personal property and contamination control. They then plan on using these scenarios to develop RESRAD models, which would allow either 1.) Validate ANSI N13.12-2013 assumptions or 2.) Develop DOE-specific surface contamination values.

**Deliverable(s):** EFCOG RP TTG to provide to the DOE a list of realistic surface contamination scenarios (not worst case scenarios) for RESRAD modeling.

**Status Date:** 8/10/2016

The working group tasked with WSH-15-01 (Align DOE requirements in 10 CFR 835 App. D and DOE O 458.1 with those of ANSI N13.12) discussed this new request at the August 2, 2016 conference call. A written request for scenarios was subsequently sent to the larger RP membership. The list of scenarios will be discussed and finalized at the Fall meeting in Livermore.

**History/Comments:**

**Description of Savings:**

**DOE Sponsor(s):** Pat Worthington, James Dillard and Derek Favret

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