

ESAP Implementation Plan

In late June and early July, an Electrical Safety Action Plan (ESAP) was drafted with the intent to recommend changes to SLAC’s programs and training to improve SLAC’s electrical safety performance. These changes were adopted by the Directorate, and the Environment, Safety, and Health Coordinating Council (ES&H CC) asked the Electrical Safety Committee (ESC) to develop an implementation plan.

This document is the implementation plan recommended by the ESC, and includes the identified project managers and schedule. For convenience, the section numbers of the ESAP have been used to number the specific recommended actions below.

The overall program manager to coordinate implementation of the ESAP is Perry Anthony, SLAC Electrical Safety Officer.

The DOE directed that the laboratory look at seven categories for opportunities to improve the electrical safety program. The ESAP team identified 12 areas for improvement. The seven categories and 12 areas are identified in the below table. Actions needed to address eleven of the 12 areas of improvement have been completed (completing six categories from the report). The remaining item, correction of OSHA electrical, is on schedule as noted below.

ESAP Section	Area of Improvement	Actions to Address/Implement Improvement	Status
2.1 Personnel Errors	2.1.1 Electrical Hot Work Permit Program	Addressed with Bulletin 68A. New Hot Work Permit awaiting final action by the ESC, not needed to mark task as complete. Validation is ongoing.	COMPLETE
	2.1.2 Training	All tasks complete except for implementation of the expanded training database to track all training (due end of March 2005) and validation tasks which are ongoing.	COMPLETE
2.2. Work Control Problems	2.2.1 Control of Hazardous Energy	Addressed with Bulletin 69A. SLAC’s Control of Hazardous Energy Program being revised. On schedule for release of revised program documents by end of Feb. 2005	COMPLETE New LOTO program document released. Web page being updated.

	2.2.2 Electrical Equipment Inspection Program	Program developed and approved. Working out final implementation and training issues.	COMPLETE First training held, second training in going on now. New equipment now subject to EEIP.
2.3 Configuration Management Program	2.3.1 Configuration Management Plan	Addressed by Bulletin 72. Working committee developing new guidance documents for release end of March 2005.	COMPLETE. The working committee has developed a data base that now contains site configuration. Bulletin 72 establishes documentation and update requirements.
	2.3.2 Training	Follows 2.3.1	COMPLETE No longer necessary
2.4 Electrical Intrusion Events	2.4.1 Training	Lessons learned added to training and workgroups have added safety precautions to job planning. Validation ongoing.	COMPLETE. Validation ongoing
	2.4.2 Programs	JHAM validation ongoing. ESC review of above ground penetration permit still pending	COMPLETE. Reviewed and reconciled Above Ground Penetrations Chapter submitted to ES&H for publication.
2.5 Vehicles		Existing programs and procedures sufficient.	COMPLETE
2.6 Lessons Learned		Existing ES&H focused meetings to be expanded to include discussion of lessons learned and application at SLAC.	COMPLETE. Ongoing process to improve visibility of Lessons Learned and application at SLAC.
3.3 OSHA Items	Training/Planning	Enhanced training, Bul. 61, and return to work plan addressed	COMPLETE. Validation ongoing

		most of the issues. SEDAC will include an electrical safety module in the next Talk, Walk, Clean event.	
	Correcting Existing Items	Managed by new facilities group. Expect completion of most items by end of FY05. Long term legacy issues (e.g. cable trays) to be addressed as a multi-year program.	On Schedule 93% of items addressed. CEF Hiring additional personnel to ensure completion. NOTE, due to accelerator and SSRL running, 11 items (3%) delayed until after runs. Expect to be completed by Nov. 2005. John Cornuelle to issue memo to DOE SSO for delayed items.