



2022
Physical Sciences Area
Self-Assessment Plan
For
Required Safety Training



Approved By:

Physical Sciences Area Directors:

Natalie Roe

Natalie Roe, Associate Lab Director, Physical Sciences

Cameron Geddes

Cameron Geddes, Division Director, ATAP

Henrik von der Lippe

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Volker Koch

Volker Koch, Division Director, Nuclear Science

Nathalie Palanque-Delabrouille

Nathalie Palanque-Delabrouille Division Director, Physics



Introduction

The following Divisions and their matrixed personnel and affiliates, will be conducting a joint assessment of their respective safety training requirements.

- Physical Sciences Area comprises of:
 - Accelerator Technology & Applied Physics (AA)
 - Engineering (EG)
 - Physics (PH)
 - Nuclear Science (NS)

2.0 Team, Drivers, and Scope

Assessment team

Implementation of LBNL-wide institutional policies and systems will be assessed by the core assessment planning team: Pat Thomas (ATAP), Marshall Granados (EG), Leigha Rose (EG), Ingrid Peterson (PH), and Jeffrey Bramble (NS).

The assessment will be facilitated by the above Division Safety Coordinators (DSCs) of the Participating Divisions. EHS will provide technical guidance. The DSCs will call upon other selected personnel within their respective Divisions to assist in performing the training assessment.

Drivers

A contributing cause identified in many of our investigations has been gaps in the required training. Much of EH&S's safety training is general/broad and in many cases, misses opportunities to dive deeper where our respective division needs are.

Scope

The assessment focus will be evaluating current required safety training and how our staff needs are met.

This Self-Assessment will assist our Associate Laboratory Directors, Division Directors, and Division Deputies in suggesting improvements to the required training program.

Origin of EHS Training Requirements. EHS Training requirements originate in several ways, either within or outside the organizational group to which they apply. Sources include DOE orders and regulations, Cal/OSHA regulations, EPA regulations, Department of Transportation regulations, the California Code of Regulations, LBNL's environmental permits, LBNL's Operating and Assurance Program, and LBNL policies and best practices. Requirements derived from non-LBNL sources are restated in terms appropriate to LBNL by the applicable EHS program or policy owner(s) with support from EHS Training.



LBNL Requirements:

- ES&H Manual [Ch 24 Work Process A](#)
- Division ISM Plans

3.0 Assessment Lines of Inquiry, Methodology, and Schedule

Lines of Inquiry:

Are there gaps in the required EH&S training or retraining and what employees feel they need to perform their work safely?

What can be done to improve the value / effectiveness of training?

Would there be value in the Divisions providing supplemental specific training courses or other training materials, and if so, in what areas?

Can the safety training be more tailored to our specific needs?

Methodology

Methods may include:

- **Interview the Training manager**
- **Questionnaire:** A questionnaire will be developed and distributed to Division Staff; Group leaders, post-docs, students.
- **Interviews:** Division Safety Coordinators will conduct follow up interviews as needed and document feedback from Division Staff to identify issues, Lessons Learned, and Best Practices.

Schedule

This assessment will be conducted from April 2022 to July 2022, and the final report will be generated by September 2022 .

April-June 2022 – Select team; refine scope, methodology, and lines of inquiry. Develop an Assessment Plan and obtain management approval.

June-August 2022 – Perform assessment and draft report.

September 2022 – Develop final report, obtain management approval, assign action items.

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