

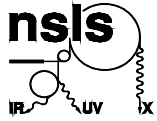
Integrated Safety Management

Safety Moment

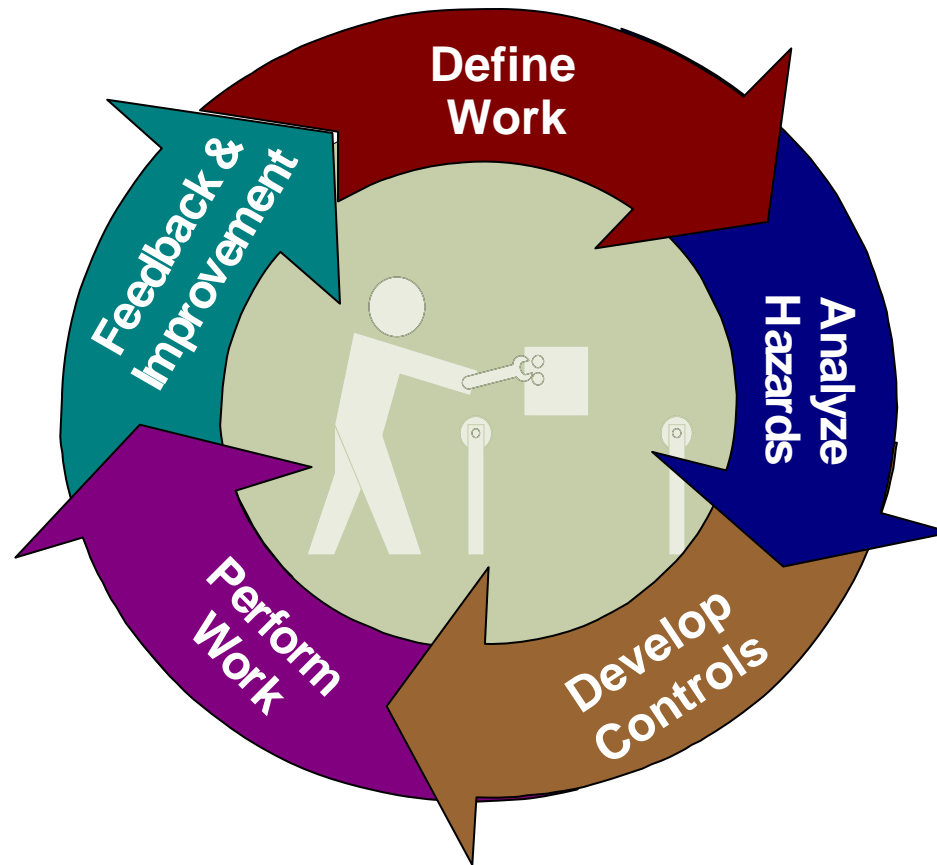
Identify Safety Standards

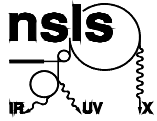
&

Tailor Controls



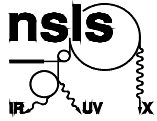
All Work is Planned Integrated Safety Management





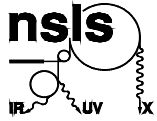
Integrated Safety Management (ISM) Guiding Principles

1. Line management responsibility for safety
2. Clear roles and responsibilities
3. Competence commensurate with responsibilities
4. Balanced priorities
5. Identification of safety standards and requirements
6. Hazard controls tailored to the work
7. Operations authorization



Identify Safety Standards and Requirements

- Need a technical basis for requirements
 - Occupational Safety and Health Administration (OSHA)
 - US Department of Energy (DOE)
 - US Environmental Protection Agency (EPA)
 - National Institute of Occupational Safety and Health (NIOSH)
 - American National Standards Institute (ANSI)
 - American Conference of Governmental Industrial Hygienists (ACGIH)
 - American Industrial Hygiene Association (AIHA)
 - American Society of Safety Engineers (ASSE)
 - National Council on Radiation Protection and Measurements (NCRP)

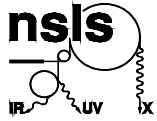


Identify Safety Standards and Requirements

- BNL Standard Based Management System (SBMS)
 - Collection of BNL rules and requirements
 - Written by BNL Subject Matter Experts
 - Application of consensus standards and legal requirements to BNL operations

- On the web:

<https://sbms.bnl.gov/default.cfm>

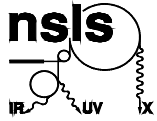


Identify Safety Standards and Requirements

- NSLS Policy and Requirements Manual (PRM)
 - Supplement to BNL Standards Based Management System (SBMS)
 - Provides NSLS specific interpretation of BNL requirements
 - Concise set of NSLS rules

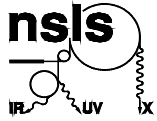
- On the web:

<http://www.nsls.bnl.gov/newsroom/publications/manuals/prm/tblecnts.html>



Hazard Controls Tailored to Work

-
- Application of controls can be tricky
 - Need to:
 - Meet compliance requirements
 - Control risks
 - Keep things sensible and workable
 - Credible controls are far more effective and better accepted
 - Control requirements must fit circumstances
 - **Find acceptable risk level. ([See Job Risk Assessments](#))**



Hazard Controls Tailored to Work

- Hazard analysis is key to determining control requirements.
 - Must have:
 - Technical basis
 - Work scope definition

- NSLS hazard control requirements determined by:
 - Policies and Requirements Manual (PRM)
 - Standards Based Management System (SBMS)
 - Work planning process
 - Experiment safety review process
 - Facility Reviews
 - Beam line review
 - Engineering design review