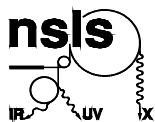


Integrated Safety Management

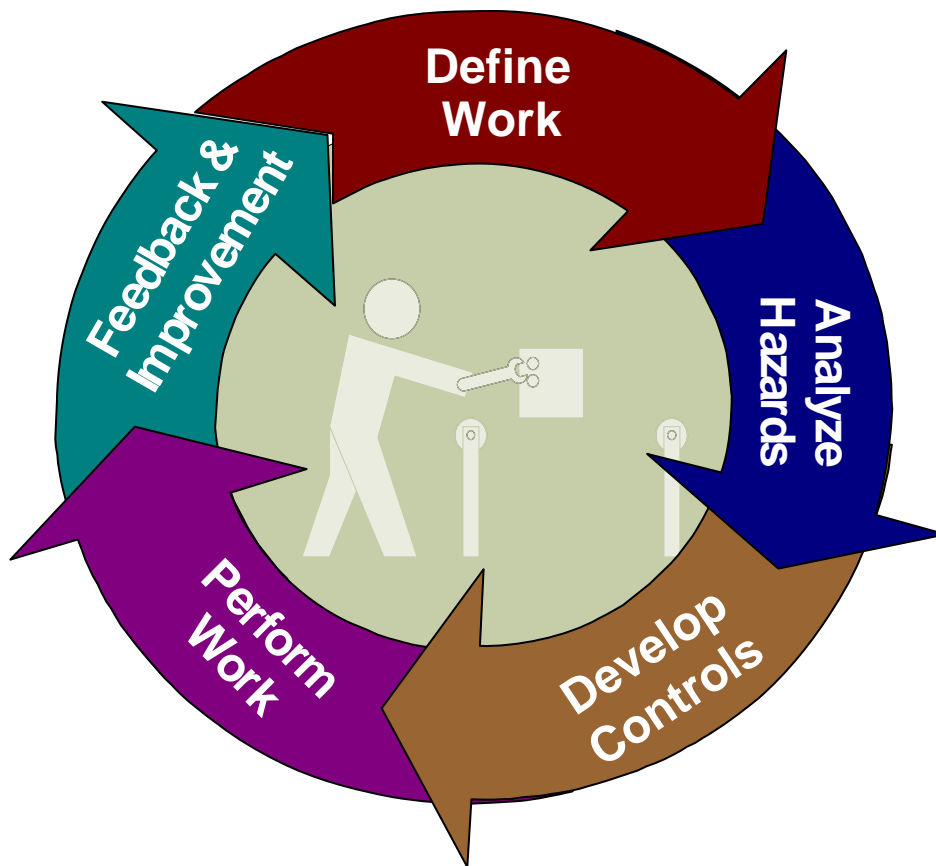
Safety Moment

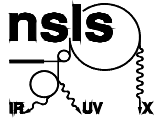
Operations
Authorization
(Performing Work)



All Work is Planned Integrated Safety Management

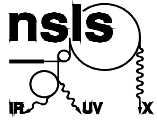
Five Core
Functions





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



Operations Authorization – Performing Work

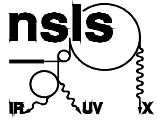
When can work begin?

Routine Work Planning

- Supervisor review:
 - Worker qualification
 - Included on [Qualification Matrix](#)
or
 - Written procedure
 - Work site screening as appropriate

- Worker review
 - All work within personal qualification
 - Hazards & conditions at job site as expected

- Work Control Coordinator review:
 - Low ES&H risk
 - Low complexity
 - Low work coordination



Operations Authorization – Performing Work

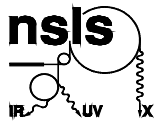
When can work begin?

Enhanced Work Planning

- Enhanced work planning permit (Green Sheet):
 - Work control committee review
 - Permit
 - Approved and pinned
 - Posted at the work area.
 - Workers read and sign

Workers who arrive after the job is in progress must read and sign in on the permit.

- Safety system work permits approved and posted
- Fire protection impairment tags approved and placed



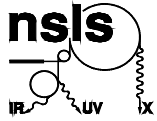
Operations Authorization – Performing Work

When can work begin?

Enhanced Work Planning

Experiment Safety Review

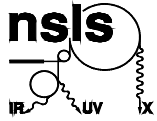
- Safety Approval Form for **ALL** experiments
 - Approved
 - Approved requires notification
 - Experimental Review Coordinator (ERC) review required
- Extended committee review
 - Unusual risk
 - Ad hoc committee
 - NSLS staff
 - BNL staff
 - DOE



What if things change?

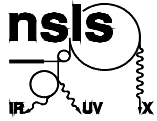
When should work STOP?

- ***STOP WORKING IF:***
 - Work scope changes
 - An unexpected hazard arises
 - An unexpected event occurs
- **Contact**
 - Supervisor
 - Work Control Coordinator
 - Operations Coordinator (beam line, synchrotron, experiment)
 - ESH Staff
- **Resume after additional review**



Formal Stop Work

-
- Can be initiated by any trained worker or visitor
 - Used for, “Imminent Danger” conditions
 - Once declared, all pertinent work stops
 - Contact
 - Supervisor
 - NSLS Management
 - NSLS ESH staff
 - Department chairman = authority to resume



ISM Safety Moments Summary

-
- *ALL WORK IS PLANNED*
 - Five core functions

 - *ID STANDARDS AND TAILOR CONTROLS*
 - Reference to accepted standards
 - Controls tailored to circumstances

 - *OPERATIONS AUTHORIZATION / PERFORM WORK*
 - Supervisor review / Worker review
 - Qualified workers
 - Procedure
 - Enhanced work planning
 - Work permit (green sheet)
 - Safety Approval Form