

Princeton Plasma Physics Laboratory Integrated Safeguards and Security Management

“Although the term “Integrated Safety Management” has only become prevalent in recent years, integrating safety, environment, and security into the management of work, and into work practices has been the Laboratory’s philosophy and practice for years.”

-- PPPL ISM System Description October 2003

Integration of Security
into ISM:

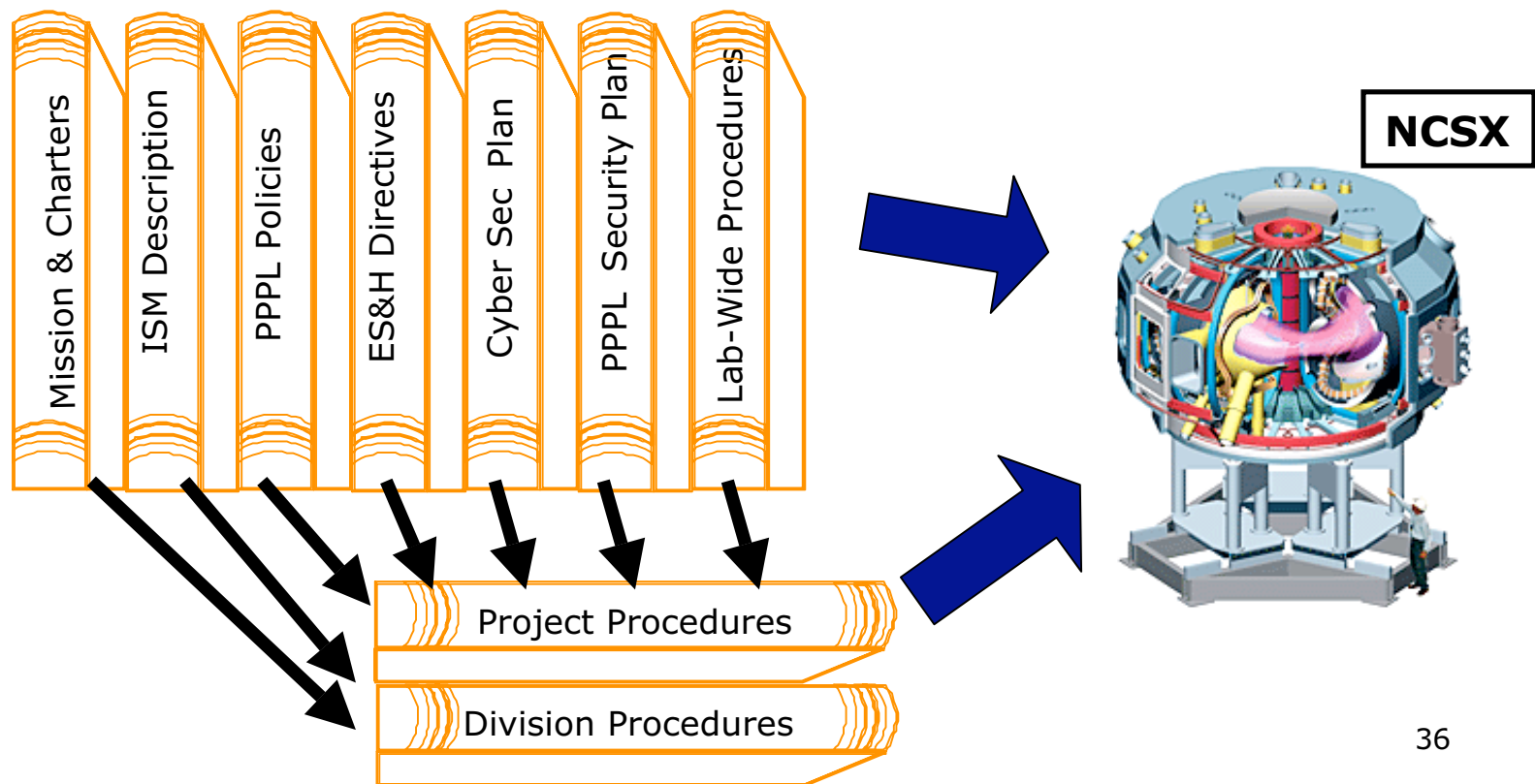


Elevates safeguards and security to the same level of concern and commitment as safety.

Ensures that "line management" is responsible and accountable for security implementation.

Line management is directly responsible for the protection of DOE assets

Before work is performed, the associated risk is evaluated, and an agreed-upon set of safeguards and security standards and requirements are established to provide appropriate assurance that DOE assets, the worker, the public, and the environment are protected from adverse consequences.



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NCSX Security Considerations

NCSX Project and Program very similar (from a security perspective) to NSTX

- The work and information resulting from the research associated with NCSX is intended for publication and for sharing broadly within both the domestic and international scientific communities. Accordingly, it meets the U.S. Department of Commerce (Bureau of Industry and Security) criteria for fundamental research.

Centralized Materiel Control procedures provide export control oversight

- Export Licensing Program is mature and well documented
 - ✓ MC-001 "Control of Government-Owned Property"
 - ✓ MC-002 "Loan of Equipment or Material from PPPL to International Governments or Organizations"
 - ✓ MC-005 "Shipment of Equipment/Material to Off-Site Locations"

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NCSX Security Considerations

Physical Access Controls

- Physical Security requirements established in accordance with Vulnerability Assessment and Security Plan.
- New ACAMS physical security system includes access controls for NCSX experimental areas. (Project will be completed by 9/30/04.)

Foreign Visits & Assignments

- Foreign National Access controlled in accordance with established Lab-Wide procedures
 - ✓ GEN-008 "Coordination of Visits and Assignments to PPPL and Site Access Requirements",
 - ✓ GEN-025 "PPPL Foreign Visits and Assignments Program"

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NCSX Security Considerations

Security & Counterintelligence Training

- PPPL will incorporate NCSX into Annual Security Briefings
- Experimental and other support personnel assigned to the project will be trained on security concerns, including access requirements and controls.

Cyber Security

- Cyber Security requirements will apply in accordance with the Lab-wide Computer Security Protection Plan.