



# Department of Energy Technical Standards Program

---

Larry W. Perkins, PhD, JD

Deputy Director, Environment, Health, and Safety

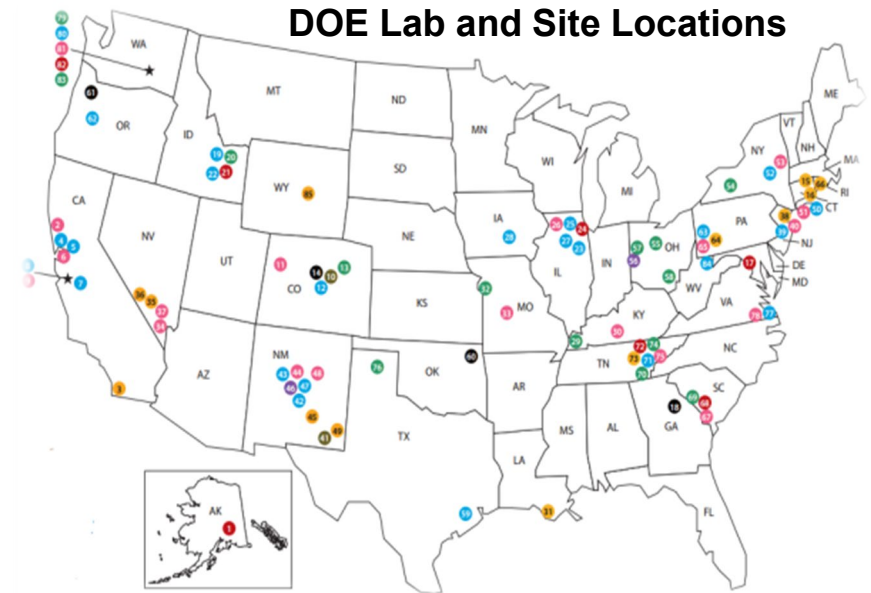
Office of Environment, Health, Safety, and Security



U.S. DEPARTMENT  
of ENERGY

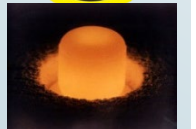
# DOE: Extensive, Complex, Unique

- Eighty-five major laboratories and sites made up of thousands of individual facilities
- Varied and complex operations at over 150 Nuclear Facilities
- Over 100,000 Federal and contract employees
- Significant quantities of Plutonium and enriched Uranium
- Large quantities of radioactive/mixed waste, chemicals and other hazardous materials

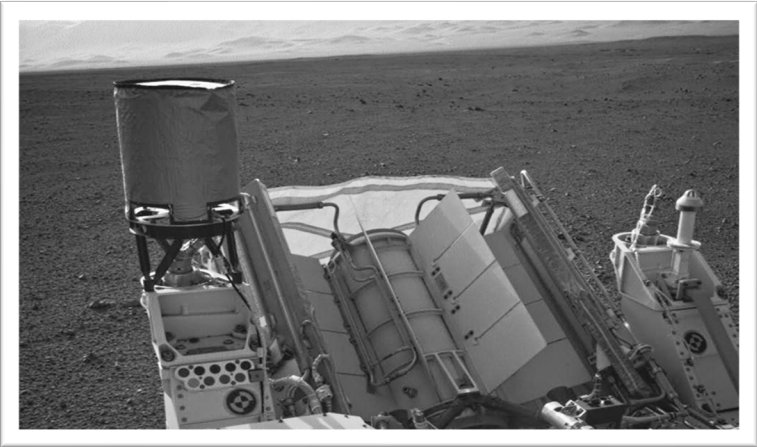
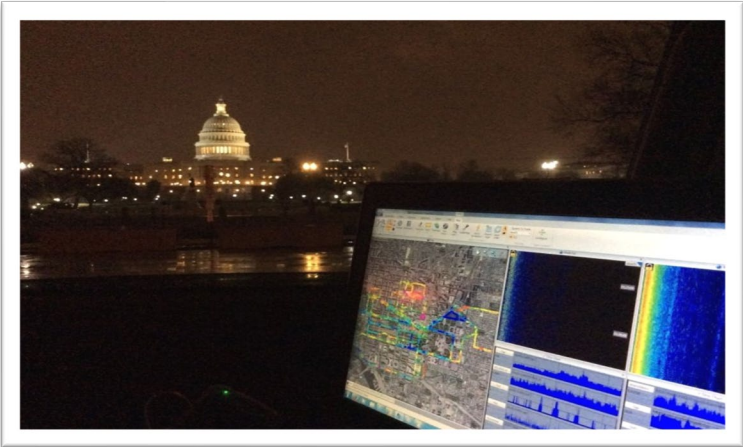
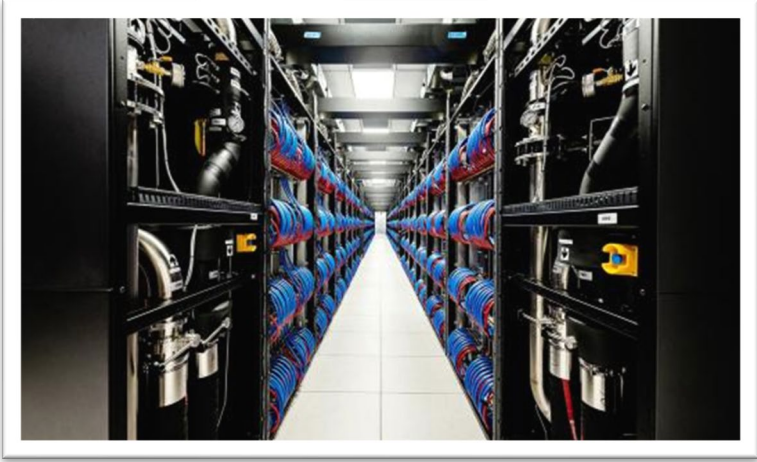


## **Legend**

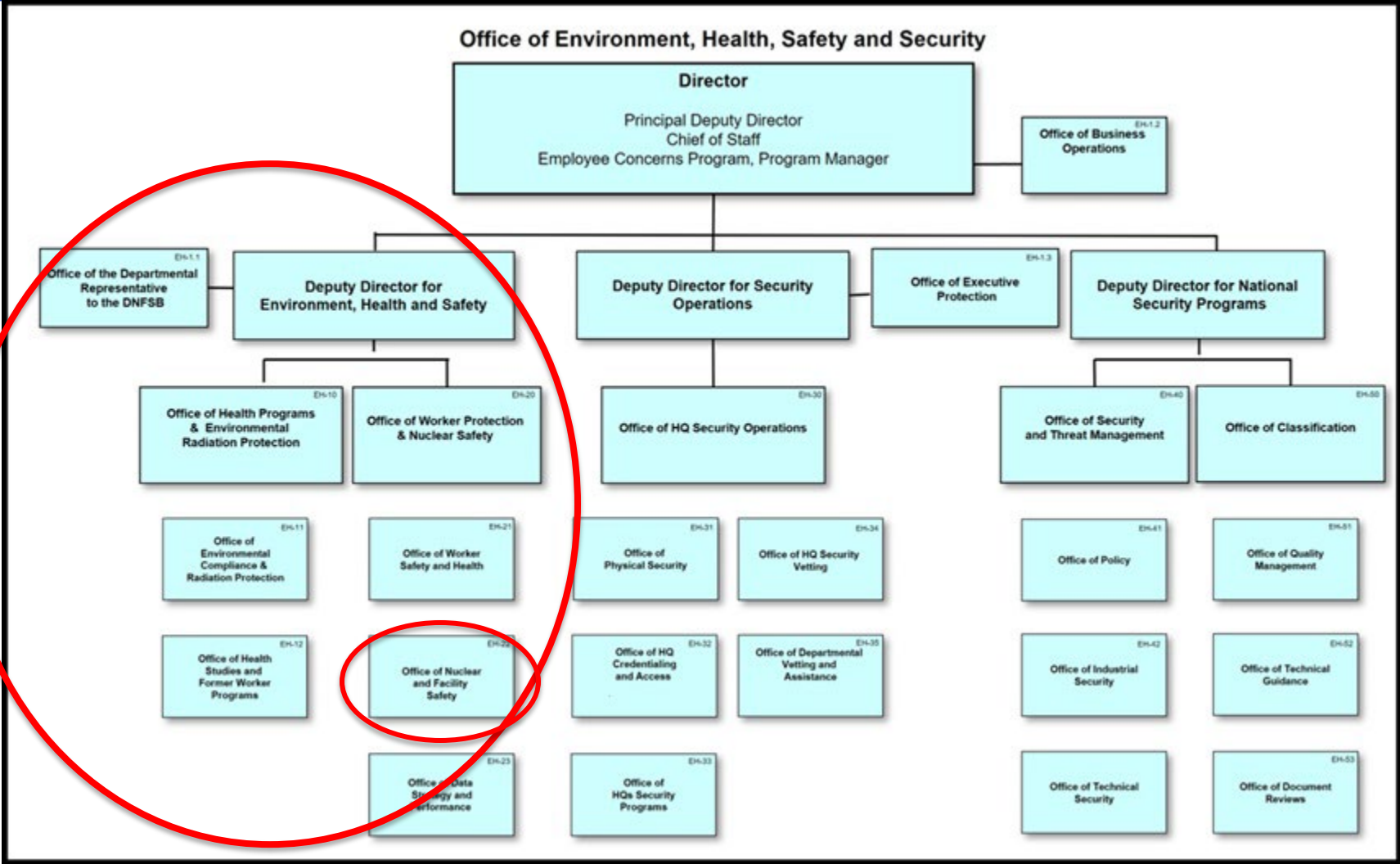
- Operations Offices
- Production/Cleanup
- Laboratories
- Field Offices
- Site or Project Offices
- Special Purpose Sites
- Power Administrations
- Service Business Center



# DOE: Extensive, Complex, Unique



# Environment, Health, Safety, and Security Office

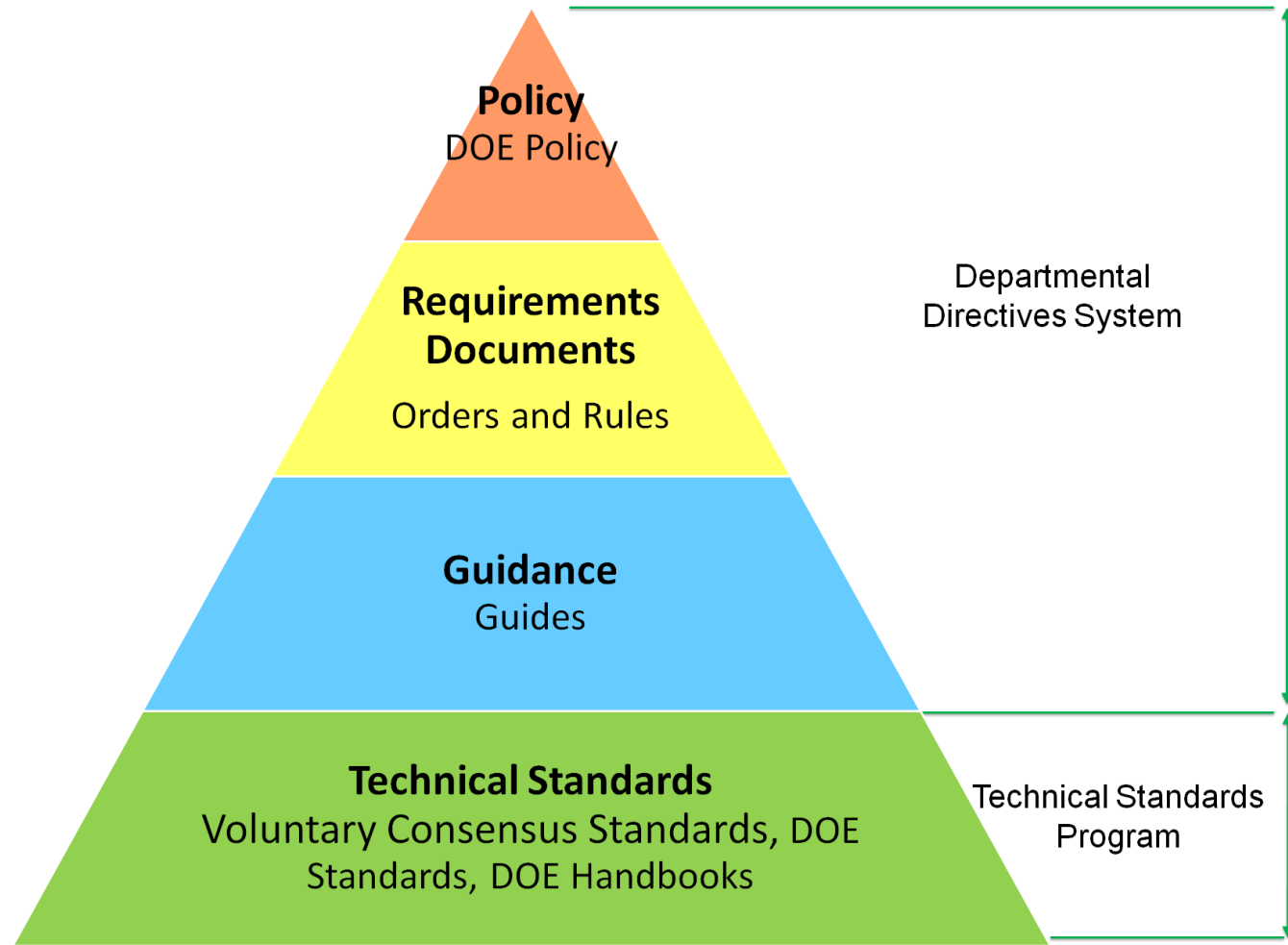


# *Environment, Health, Safety, and Security Office*

- Central organization with enterprise-level responsibilities for health, safety, environment, and security
- Provides corporate-level leadership and strategic vision to establish, sustain, coordinate and integrate programs
- Responsible for policy development
- Advises DOE elements and senior Departmental leadership on all matters related to environment, health, safety and security across the complex



# U.S. Department of Energy Directives and Standards



# ***DOE Technical Standards Program***

- Public Law 104-113 and OMB A-119
  - All federal agencies must use voluntary consensus standards in lieu of government-unique standards in their procurement and regulatory activities, except where inconsistent with law or otherwise impractical
  - Report annually on voluntary consensus standards used
  - DOE Participation in standards development organizations
- DOE Standards Executive
  - Coordinate the overall technical standards activities and participation in voluntary consensus standards bodies.



# *DOE Technical Standards Program*

- DOE Order 252.1A Admin Chg 1, *Technical Standards Program*
  - Promotes the use of Voluntary Consensus Standards
- DOE-TSPP-3-2013, *Using Voluntary Consensus Standards and Interacting with Standards Development Organizations*
  - This procedure identifies the process by which DOE adopts Voluntary Consensus Standards
- DOE-TSPP-8-2013, *Converting DOE Technical Standards to Voluntary Consensus Standards*
  - This procedure provides guidance on the conversion of DOE Technical Standards to Voluntary Consensus Standards.
- Technical Standards Program Manager Acts as liaison with voluntary consensus standards bodies for activities related to DOE programs



# ***DOE Technical Standards Program***

- Phase 1 - Project Justification (15 business days)
  - The author submits the Project Justification Statement for reviewers to consider whether the project should go forward.
- Phase 2 - Review and Comment (90 days total)
  - The author submits a draft, SMEs review, Author responds to comments
- Phase 3 - Response Negotiation (30 days)
  - Author submits a redline showing changes and reviewers have an opportunity to review and discuss the resolution.
- Phase 4 - Concurrence (10 business days)
  - Concurrence Phase has been Conservatively Applied



# ***DOE Technical Standards Program***

- Reviews and Comments were Historically through RevCom tool
  - Contract has Expired
  - Working on a Replacement
- “Invoked” Technical Standards
- Technical Standards Referenced in Regulations
- Non-invoked Technical Standards
- “Applicable” Technical Standards
- Handbooks



# *Regulatory Reform Efforts*

- Focus on removing unnecessary barriers in regulations and standards
- Focus on improving efficiency and effectiveness
- Focus on promoting mission accomplishment and innovation without jeopardizing public safety or national security
- Focus on assistance with overly conservative implementation of requirements



# Questions/Discussion

- Larry W. Perkins, Deputy Director  
Environment, Health, and Safety  
301.903.8866 (office)  
865.599.3636 (cell)  
larry.perkins@hq.doe.gov





U.S. DEPARTMENT  
*of* ENERGY