

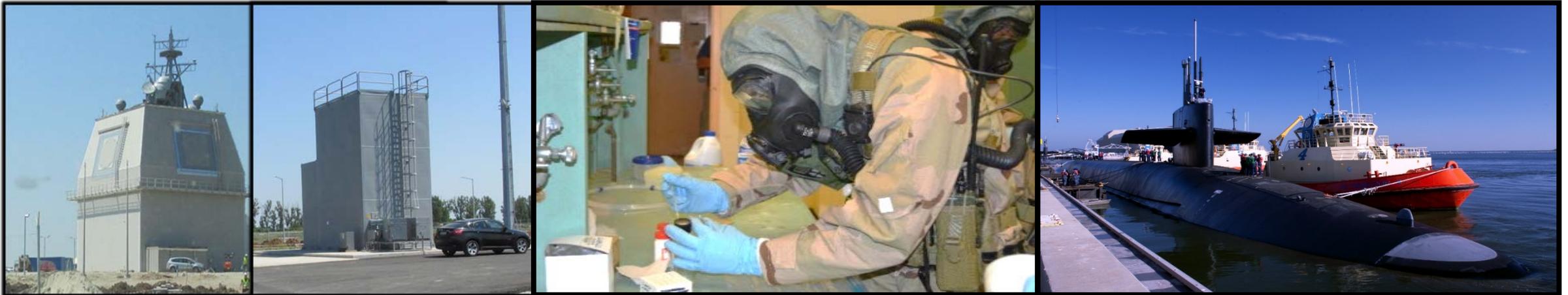


Nuclear Enterprise Directorate (NE)



NE Mission

Provide support to the Department of Defense (DoD) and Interagency Stakeholders, Allies and Partners to ensure the safety, security, reliability, and effectiveness of the U.S. nuclear deterrent force and the countering weapons of mass destruction (WMD) mission





NE Focus Areas



EXECUTE ASSESSMENTS

Provides mission impact context to identified vulnerabilities for commanders at all levels - local, national, strategic; assesses risk to DoD missions and provides remediation and mitigation recommendations; conducts cyber vulnerability assessments with a unique suite of tools



PROVIDE ACCOUNTABILITY AND LOGISTICS

Responsible for the viability of the nation's stockpile. Writes, reviews, and validates all technical procedures used by DoD agencies in maintaining the nuclear stockpile; verifies and validates actions related to nuclear weapons



EDUCATE AND TRAIN: DEFENSE NUCLEAR WEAPONS SCHOOL

Covers 30,000 nuclear personnel annually; provides operators with education on nuclear and radiological weapons; training in classroom, field, and tabletop exercises.



ENSURE NUCLEAR SURETY

Responsible for the planning and execution of Nuclear Weapons Accident and Incident Exercises for the DoD and Interagency. Serves as the lead agent for DoD nuclear Force-on-Force Exercise program and collaborates with the DoD and Interagency on nuclear policies and procedures, such as Use Control.



OVERSEE NUCLEAR INSPECTIONS

Conducts independent nuclear surety inspection oversight and training for USAF and USN nuclear inspectors; hosts annual symposia to examine inspection trends and Service issues

PROVIDE TAILORED TRAINING AND EXERCISE SUPPORT TO COMBATANT COMMANDS

Increases designated forces' ability to search, locate, and identify radiological/nuclear and chemical biological threats by providing training, equipment, advice and assistance



NE Current Requirements

- Subject Matter Experts (to include Advisory and Assistance Services) and program management for all areas of the mission (e.g. nuclear weapon safety)
- IT application designers, system administrators, and system engineers to design, build, maintain, and administer U.S. nuclear weapon accounting system(s); cyber tools for mission assurance assessments; and modeling/simulation
- Security professionals and cross-domain engineers versed in facility protection, mission assurance assessments, and force-on-force tests
- Chemical, Biological, Radiological, and Nuclear detection and characterization expertise
- Professional emergency response/disaster planning/preparedness support



NE Future Requirements

Capacity and Capability Enhancement

- Moving forward, NE will apply resources to expanding capacity relative to the multiple lines of effort delineated in our current requirements on the previous slide

Future Initiatives

- Improve DTRA capability to provide high-fidelity cyber assessments and threat-based mission assurance assessments, to include Counter-small Unmanned Aerial Systems (C-sUAS) and solutions for nuclear physical security
- Expand DTRA capacity to provide educational, training, and exercise support that will enhance Combatant Command and Special Operations Forces (SOF) capabilities to plan, control, and execute U.S. and allied missions that integrate U.S. nuclear and non-nuclear forces

