

Nonproliferation and National Security (NPNS)

The NPNS applies technical expertise to address global security threats. The focus is on finding and implementing practical solutions in order to realize nonproliferation and national security policy objectives.

Technical Nonproliferation Policy Support (TNPS) deals with the strategic threat posed by the spread of weapons of mass destruction. Terrorist groups and rogue states will go to great lengths to acquire nuclear weapons and other WMDs. History shows that these groups exploit international commercial markets to acquire the materials, equipment, and technology for the clandestine facilities needed to build these weapons. TNPS activities comprise both technical proliferation analysis, from the macro (regime) level to the micro (transaction) level, and nonproliferation engagement and training to promote and strengthen policy implementation in the US and in scores of international partner countries. These activities span the policy domains of export control and interdiction, weapon scientist redirection, multinational fuel cycle arrangements, nuclear safeguards, proliferation resistance, and nuclear security.

National Security Systems and Assessments (NSSA) deals with immediate threats to national infrastructure, information networks, and security systems. National Security Information Systems (NSIS) develops both unclassified and classified information technology (IT) systems for national security and nonproliferation programs, with a focus on security operations, cyber security, and law enforcement support. The Vulnerability Assessment Team (VAT) conducts multi-disciplinary research and development on physical security devices, systems and programs, focusing extensively in the areas of product anti-counterfeiting, tamper and intrusion detection, cargo security, nuclear safeguards and the human factors associated with security. Radiological Detection and Response focuses on radiological security, testing radiation detection systems and fielding a Radiological Assistance Program (RAP) first-response team for radiological incidents.

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