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Department of Defense
DIRECTIVE

NUMBER S-2060.04

April 1, 2009

USD(AT&L)

SUBJECT: DoD Support to the National Technical Nuclear Forensics (NTNF) Program (U)

References: (U) See Enclosure 1

1. (U) PURPOSE. This Directive:

a. (U) Establishes policies and assigns DoD responsibilities for supporting the NTNF program in accordance with National Security Presidential Directive (NSPD)-17/Homeland Security Presidential Directive (HSPD)-4 (Reference (a)), National Implementation Plan for the War on Terror (Reference (b)), and Annex IV to NSPD-17/HSPD-4 (Reference (c)).

b. (U) Delineates support for Geographic Combatant Commanders' (GCCs) planning and execution of the NTNF sampling missions and for DoD management of NTNF research and development activities.

c. (U) Establishes the DoD NTNF Steering Committee (SC) and the DoD NTNF Working Group (WG).

2. (U) APPLICABILITY. This Directive applies to OSD, the Military Departments, the Office of the Chairman of the Joint Chiefs of Staff and the Joint Staff, the Combatant Commands, the Office of the Inspector General of the Department of Defense, the Defense Agencies, the DoD Field Activities, and all other organizational entities in the Department of Defense (hereafter referred to collectively as the "DoD Components").

3. (U) DEFINITIONS. Unless otherwise noted, these terms and their definitions are for the purpose of this Directive.

a. (U) DoD NTNF Program. A program established to organize and implement the DoD responsibilities as defined in Reference (c).

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c. (U) technical nuclear forensics. The thorough forensic analysis and characterization of (a) pre-detonation and post-detonation nuclear and radiological samples and devices, and (b) output signals and debris in the immediate aftermath of a nuclear detonation. Such science is an integral component of the broader process of attribution, which involves comparing the data from forensic analyses of a sample or device with information from the Nuclear Materials Information Program and other sources in order to identify, among other things, the source of the sample or device and the persons or groups responsible for its use in planned or actual acts of terrorism.

d. (U) WMD attribution. The capability and process to identify the nature, source, perpetrator, and pathway of an attempted or actual WMD attack. This includes rapid and comprehensive coordination of intelligence reporting, law enforcement information, technical forensics information, and other relevant data streams to evaluate adversaries' capabilities, resources, supporters, and modus operandi in the context of a recent completed or attempted WMD attack(s).

4. (U) POLICY. It is DoD policy to:

a. (U) Support the USG policy for attribution of weapons of mass destruction (WMD) attacks (Reference (d)) and coordinate forensics activities across the USG with the Department of Energy, Department of Homeland Security, Federal Bureau of Investigation, and the Intelligence Community, as required by national guidance, leveraging existing and future DoD capabilities:

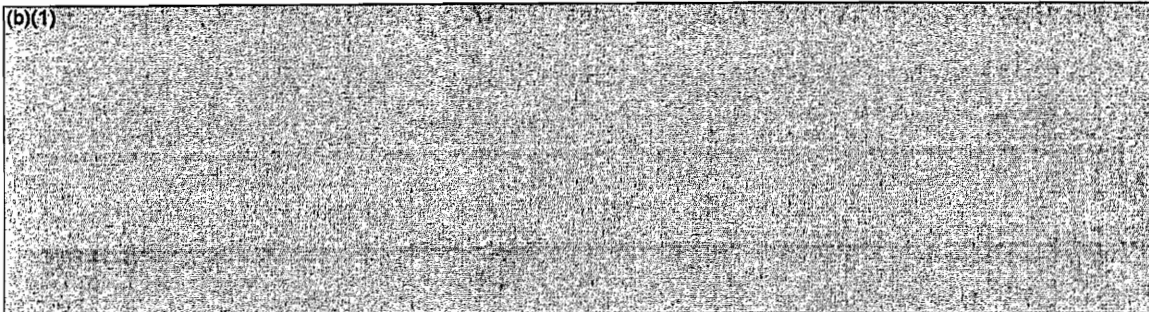
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c. (U) Support radiological and nuclear attack attribution operations.

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e. (U) At the Attorney General's request, support the NTNF mission for nuclear and radiological devices after a detonation or dispersion in the United States.

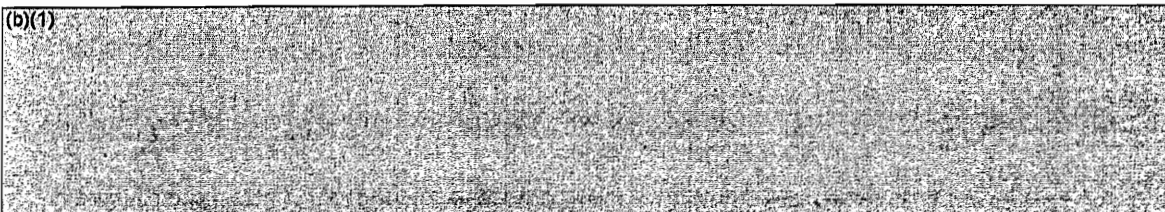
f. (U) In coordination with the Secretary of State, support the NTNF response to nuclear and radiological devices detonated or dispersed outside the United States, its territories, and possessions.



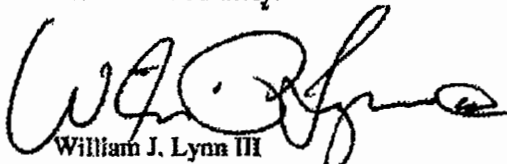
5. (U) RESPONSIBILITIES. See Enclosure 2.

6. (U) RELEASABILITY. RESTRICTED.

a. (U) This Directive is approved for restricted release. Authorized users may obtain copies on the SECRET Internet Protocol Router Network from the DoD Issuances Web Site at <http://www.dtic.smil.mil/whs/directives>.



7. (U) EFFECTIVE DATE. This Directive is effective immediately.



William J. Lynn III
Deputy Secretary of Defense

Enclosures

- 1. References
- 2. Responsibilities
- Glossary

ENCLOSURE 1

REFERENCES (U)

- (a) ~~(S)~~ [REDACTED] (b)(1)
4, [REDACTED]
- (b) (U) White House Documentation. "National Implementation Plan for the War on Terror," June 14, 2006¹ (implements Reference (e))
- (c) ~~(S)~~ [REDACTED] (b)(1)
[REDACTED]
- (d) (U) Annex V to NSPD-17/HSPD-4, "U.S. Government Policy for Attribution of Weapons of Mass Destruction Attacks (U)," February 25, 2008
- (e) (U) National Security Presidential Directive-46/Homeland Security Presidential Directive-15, "U.S. Policy and Strategy in the War on Terror (U)," March 6, 2006¹
- (f) (U) DoD Directive 2060.02, "Department of Defense (DoD) Combating Weapons of Mass Destruction (WMD) Policy," April 19, 2007
- (g) (U) DoD Directive 5250.01, "Management of Signature Support Within the Department of Defense," January 31, 2008
- (h) (U) DoD Instruction 5000.02, "Operation of the Defense Acquisition System," December 8, 2008
- (i) (U) DoD Directive 3025.15, "Military Assistance to Civil Authorities," February 18, 1997

¹ Classified document available from OASD(GSA) (703-697-5142)

ENCLOSURE 2

RESPONSIBILITIES (U)

1. (U) UNDER SECRETARY OF DEFENSE FOR ACQUISITION, TECHNOLOGY, AND LOGISTICS (USD(AT&L)). The USD(AT&L) shall be responsible for DoD NTNF capabilities.

2. (U) ASSISTANT TO THE SECRETARY OF DEFENSE FOR NUCLEAR AND CHEMICAL AND BIOLOGICAL DEFENSE PROGRAMS (ATSD(NCB)). The ATSD(NCB), under the authority, direction, and control of the USD(AT&L), shall:

a. (U) Provide guidance and direction for the implementation of the DoD NTNF Program according to the policies established by the Under Secretary of Defense for Policy (USD(P)).

b. (U) Represent OSD in interagency bodies dealing with the implementation of DoD NTNF activities.

c. (U) Establish goals and objectives for planning and implementing DoD pre-detonation and post-detonation activities in support of the DoD NTNF Program.

d. (U) Oversee, integrate, and advocate DoD Component development of:

(1) (U) Implementation strategies, program plans, and budgets for the DoD NTNF Program.

(2) (U) All aspects of exercise development that have or may have an impact upon DoD NTNF Program-related equities (assets, people, doctrine and policy, or installations), including all aspects of exercise development or any NTNF-related exercise that requires or requests participation from OSD.

e. (U) Coordinate DoD and interagency NTNF requirements with the Joint Staff Force Structure Resources and Assessment Directorate (J-8), U.S. Strategic Command (USSTRATCOM), and the Secretary of the Air Force.

f. (U) Oversee the Secretary of the Air Force's establishment and implementation of the NTNF Panel, detailed in paragraph 10.g. of this enclosure.

g. (U) Support USSTRATCOM, other Combatant Commands, the Secretary of the Air Force, other Military Department Secretaries, combat support agencies, and the Director, J-8, for Joint Capabilities Integration and Development System (JCIDS) analyses of NTNF capabilities.

h. (U) Serve as the DoD coordinator for the interagency NTNF components and integrate DoD NTNF components into the unified USG response capability.

i. (U) Establish and chair the DoD NTNF SC; establish the subordinate DoD NTNF WG. These organizations shall coordinate NTNF activities throughout the Department of Defense.

(1) (U) The DoD NTNF SC shall support the deliberative process of the intradepartmental elements involved in DoD NTNF Program planning and execution. It shall:

(a) (U) Provide guidance and direction for the development of an integrated, enduring, and effective NTNF capability.

(b) (U) Oversee and facilitate effective and efficient intradepartmental program planning, prioritization, and integration of respective component NTNF resources and capabilities consistent with statutory authorities and Presidential decisions.

(2) (U) Members of the DoD NTNF SC will include representatives from the Offices of the Under Secretary of Defense for Intelligence (USD(I)) (as vice chair); USD(P); Secretaries of the Military Departments; Chairman of the Joint Chiefs of Staff; and Commander, USSTRATCOM (CDRUSSTRATCOM). Members will also include the Deputy Under Secretary of Defense for Laboratories and Basic Science (DUSD(LABS)); the Director, Defense Threat Reduction Agency (DTRA); and the Deputy Assistant to the Secretary of Defense (Nuclear Matters) (DATSD(NM)). Others may be invited to participate as observers or guests by the Chair or Vice Chair.

(3) (U) The Steering Committee shall review and vet all NTNF requirements affecting the Department of Defense.

3. (U) DIRECTOR OF DEFENSE RESEARCH AND ENGINEERING (DDR&E). The DDR&E, under the authority, direction, and control of USD(AT&L), shall ensure that the DUSD(LABS):

a. (U) Advocates for integrating, supporting, and aligning DoD NTNF basic research; assesses and improves DoD NTNF laboratories, their programs, infrastructure, and personnel; and promotes science, technology, engineering, and mathematics education to benefit the DoD NTNF science and engineering workforce. Further, the DUSD(LABS) shall provide direct technical advice to DoD laboratories, research and development (R&D) centers, engineering centers, in-house warfare centers operated by DoD Components, and related programs participating in the DoD NTNF Program.

b. (U) Appoints a representative to the DoD NTNF SC and DoD NTNF WG.

4. (U) USD(P). The USD(P) shall:

a. (U) Establish DoD policy on DoD NTNF activities associated with NSPD-46/HSPD-15 (Reference (e)).

b. (U) Represent the Department of Defense in NTNF interagency policy activities.

c. (U) Appoint a representative to the DoD NTNF SC and the DoD NTNF WG.

5. (U) ASSISTANT SECRETARY OF DEFENSE FOR HOMELAND DEFENSE AND AMERICAS' SECURITY AFFAIRS (ASD(HD&ASA)). The ASD(HD&ASA), under the authority, direction, and control of the USD(P), shall provide guidance for domestic NTNF missions to the DoD Components.

6. (U) ASSISTANT SECRETARY OF DEFENSE FOR GLOBAL SECURITY AFFAIRS (ASD(GSA)). The ASD(GSA), under the authority, direction, and control of the USD(P), shall provide guidance for all non-domestic NTNF missions to the DoD Components.

7. (U) USD(I). The USD(I) shall:

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b. (U) Identify and maintain a list of all intelligence, counterintelligence, and security programs, activities, and efforts that support NTNF, and ensure these are coordinated and properly considered in the planning, programming, budgeting, and execution process.

c. (U) Ensure that intelligence, counterintelligence, and security matters that support NTNF are conducted in accordance with all related laws, Presidential guidance, and national and DoD policies.

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f. (U) Appoint a representative to serve as Vice Chair of the DoD NTNF SC and appoint a representative to the DoD NTNF WG.

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9. (U) DIRECTOR, DTRA. The Director, DTRA, under the authority, direction, and control of the ATSD(NCB), shall:

a. (U) Manage DoD NTNF R&D programs in accordance with Reference (g) and coordinate NTNF R&D programs with the Secretary of the Air Force and other DoD and non-DoD NTNF-relevant R&D activities.

b. (U) In coordination with the Combatant Commands and the Secretary of the Air Force, perform the responsibilities detailed in paragraphs 9.b.(1) through 9.b.(3) of this enclosure until a system is implemented by the Secretary of the Air Force for DoD support to the NTNF program:

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(2) (U) In coordination with the Secretary of the Air Force, provide an interim DoD end-to-end post-detonation NTNF concept of operations in accordance with Reference (c).

(3) (U) Establish interim technical standards for DoD NTNF assets in coordination with the Secretary of the Air Force.

c. (U) Appoint a representative to the DoD NTNF SC and DoD NTNF WG.

10. (U) SECRETARY OF THE AIR FORCE. The Secretary of the Air Force shall:

a. (U) Execute the assigned DoD portion of Reference (c).

b. (U) Provide support for the Combatant Command in which NTNF operations occur.

c. (U) Plan, program, and budget to satisfy NTNF requirements.

d. (U) Field the objective DoD NTNF capability, to include:

(1) (U) Provide acquisition management in accordance with the JCIDS process and DoD Instruction 5000.02 (Reference (h)).

(2) (U) Establish and coordinate technical, scientific, and laboratory requirements for sample collection, analysis, evaluation, and reporting for DoD NTNF responsibilities.

(3) (U) Provide and periodically review an objective DoD end-to-end post-detonation NTNF concept of operations.

(4) (U) Ensure DoD NTNF operational response assets (air, ground, and maritime) are manned, trained, sustained, and equipped.

(5) (U) When directed by the Secretary of Defense, through the Chairman of the Joint Chiefs of Staff, deploy assets to collect post-detonation samples and data.

e. (U) Support interagency nuclear forensics activities by coordinating, synchronizing, managing, and enhancing post-detonation laboratory, analysis, evaluation, and reporting activities in accordance with Reference (c).

f. (U) Provide DoD NTNF support to civilian agencies when requested under DoDD 3025.15 (Reference (i)) and approved by the Secretary of Defense.

g. (U) Establish and operate a panel of technical experts responsible for producing timely and accurate reporting of technical conclusions supporting attribution of detonation of an improvised nuclear device. The Secretary of the Air Force shall also assist with establishment of a similar expert panel for attributing detonation of a radiological dispersal device as directed by the Secretary of Defense.

h. (U) Appoint a representative to the DoD NTNF SC and the DoD NTNF WG.

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11. (U) SECRETARY OF THE ARMY. The Secretary of the Army shall appoint a representative to the DoD NTNF SC and the DoD NTNF WG.

12. (U) SECRETARY OF THE NAVY. The Secretary of the Navy shall appoint a representative to the DoD NTNF SC and the DoD NTNF WG.

13. (U) CHAIRMAN OF THE JOINT CHIEFS OF STAFF. The Chairman of the Joint Chiefs of Staff shall:

a. (U) Coordinate operational implementation of this Directive with Combatant Commanders, the Secretary of the Air Force, and DTRA as the interim capability provider.

b. (U) Ensure NTNF requirements are outlined in the Functional Capabilities Board process.

c. (U) Support the development of NTNF requirements through the JCIDS process.

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(1) (U) After an interdiction, detonation, or dispersion in the United States, at the request of the Attorney General.

(2) (U) After a detonation or dispersion outside the United States, its territories, and possessions, in coordination with the Secretary of State.

e. (U) Appoint a representative to the DoD NTNF SC, the DoD NTNF WG, and all interagency bodies dealing with NTNF policy and oversight.

f. (U) Provide coordinated military guidance for use by the Military Departments, Combatant Commands, Joint Staff, and Defense Agencies in the preparation of appropriate execute orders and related planning, including implementation plans and operational documents.

14. (U) GCCs. The GCCs shall lead planning and execution of DoD NTNF operations in their areas of responsibility (AORs) by:

a. (U) Incorporating NTNF requirements and operations into appropriate operational and concept plans with prioritized force flow, including operations conducted in conjunction with foreign and domestic consequence management.

b. (U) Employing DoD NTNF assets during exercises that require nuclear debris collection and analysis.

c. (U) Understanding DoD Component contributions to the DoD NTNF Program and providing procedures and processes to execute sample collection and return after nuclear events in their AORs.

d. (U) Identifying capability gaps between current and future NTNF requirements and submitting those shortfalls through the Joint Semi-Annual Readiness Review.

15. (U) CDRUSSTRATCOM. The CDRUSSTRATCOM shall:

a. (U) Synchronize DoD's combating weapons of mass destruction (CWMD) plans.

b. (U) Advocate for end-to-end DoD-wide CWMD capabilities.

c. (U) Provide a representative to the DoD NTNF SC and the DoD NTNF WG.

16. (U) COMMANDER, U.S. TRANSPORTATION COMMAND (CDRUSTRANSCOM). The CDRUSTRANSCOM shall support DoD transportation requirements of the NTNF program

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by planning for transportation resources, identifying requirements, and executing transportation missions for the Department of Defense and other departments and agencies as required. Requirements must be staffed through the JCIDS process.

GLOSSARY

ABBREVIATIONS AND ACRONYMS

This Glossary is UNCLASSIFIED.

AOR	area of responsibility
ASD(HD&ASA)	Assistant Secretary of Defense for Homeland Defense and Americas' Security Affairs
ASD(GSA)	Assistant Secretary of Defense for Global Security Affairs
ATSD(NCB)	Assistant to the Secretary of Defense for Nuclear and Chemical and Biological Defense Programs
CDRUSSTRATCOM	Commander, United States Strategic Command
CDRUSTRANSCOM	Commander, United States Transportation Command
CWMD	combating weapons of mass destruction
DATSD(NM)	Deputy Assistant to the Secretary of Defense (Nuclear Matters)
DIA	Defense Intelligence Agency
DoDD	Department of Defense Directive
DNI	Director of National Intelligence
DTRA	Defense Threat Reduction Agency
DUSD(LABS)	Deputy Under Secretary of Defense for Laboratories and Basic Science
GCC	Geographic Combatant Commander
HSPD	Homeland Security Presidential Directive
JCIDS	Joint Capabilities Integration and Development System
NSPD	National Security Presidential Directive
NTNF	National Technical Nuclear Forensics
R&D	research and development
SC	Steering Committee
USD(AT&L)	Under Secretary of Defense for Acquisition, Technology and Logistics
USD(I)	Under Secretary of Defense for Intelligence
USD(P)	Under Secretary of Defense for Policy
USG	U.S. Government
USSTRATCOM	U.S. Strategic Command

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WG
WMD

Working Group
weapons of mass destruction
