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Defense Threat Reduction Agency's

Defense Threat Reduction Information Analysis Center

19 November 2008

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DTRA's mission

The mission of the Defense Threat Reduction Agency (DTRA) is to safeguard the United States and its allies from weapons of mass destruction (WMD) (chemical, biological, radiological, nuclear and high-yield explosives, or CBRNE) by providing capabilities to reduce, eliminate and counter the threat and mitigate its effects.





A “team of teams” combating WMD

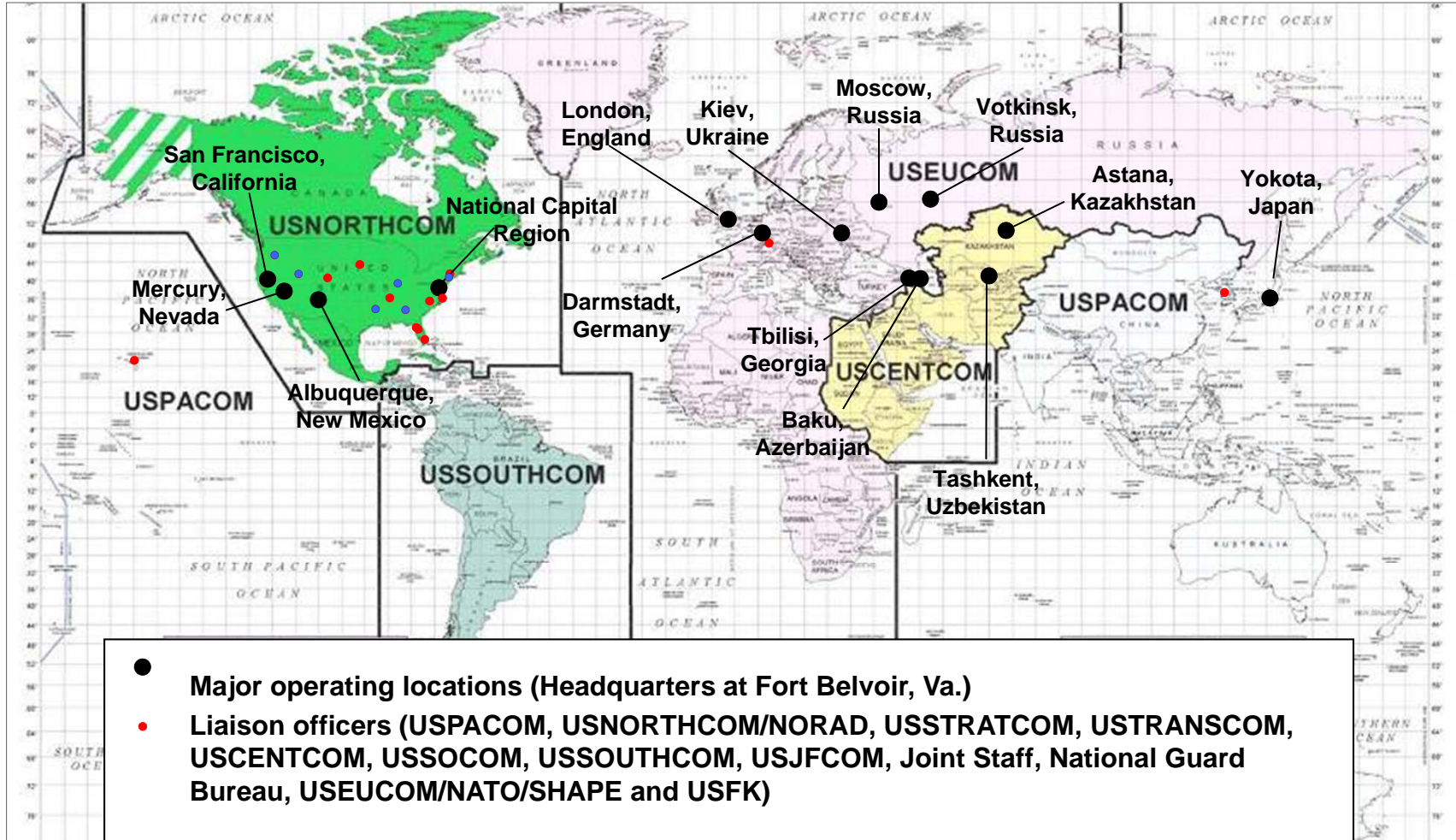
The DoD created DTRA as a combat support agency to focus department capabilities in the fight against WMD.

DTRA supports the three pillars of the National Strategy on Combating WMD: nonproliferation, counterproliferation and consequence management.



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A defense agency with global reach



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DTRIAC

- DTRIAC sponsored by DTRA (or its various predecessors)
- DDR&E established the DASA Data Center (DASIAC) in 1964. Renamed DTRIAC in 2000.

“Information analysis centers (IACs) provide a value-added information exchange among the researchers, technology developers, and warfighters”

(DTIC IAC Directory)



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Current DTRA Information Analysis and Preservation Authority

“...the following Department of Defense Information Analysis Center is assigned to the Defense Atomic Support Agency (DASA): DASA Data Center...DASA will be solely responsible for programming, budgeting, financing and administering this center for use as a Department of Defense-wide information source.”

54451
File 0022
AUG 3 1964

DIRECTOR OF DEFENSE RESEARCH AND ENGINEERING
WASHINGTON, D.C. 20301

MEMORANDUM FOR THE DIRECTOR, DEFENSE ATOMIC SUPPORT AGENCY

SUBJECT: Information Analysis Center Administered by the Defense Atomic Support Agency

Reference: (a) DoD Instruction 5100.45, July 28, 1964

In accordance with the provisions of reference (a), the following Department of Defense Information Analysis Center is assigned to the Defense Atomic Support Agency (DASA):

DASA Data Center, Santa Barbara, California

DASA will be solely responsible for programming, budgeting, financing, and administering this center for use as a Department of Defense-wide information source. Details of the five-year plan and other reports required by reference (a) should be worked out with the Director of Technical Information, Mr. Walter M. Carlson. Five-year plans for the above centers are required by October 1, 1964.

Harold Brown
HAROLD BROWN

DDRE
8D1040
74788
SP11117

Aug 3, 1964

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DTRIAC Charter

- Provide unbiased technical and scientific support services
- Engage in cooperative efforts with other DoD IACs
- Offer competent, fast, efficient, accurate, user-friendly services

DTRA Mission

- Reduce NBC Threat to U.S. and Allies
- Execute Technology Security
- CTR Programs
- A/C Treaty Monitoring
- On-Site Inspection
- Force Protection
- NBC Defense
- Counterproliferation
- Support U.S. Nuclear Deterrent
- Technical Support on WMD Matters

DTRIAC Functions

- Acquire
- Digest
- Analyze
- Evaluate
- Synthesize
- Store
- Publicize
- Disseminate

DTRIAC Scope

- Information Base
- Knowledge Management
- Outreach
- Analytical Services
- Technical Inquiries
- Information Products
- Conferences & Publications

DTRIAC is chartered to provide support across all DTRA mission areas

DTRIAC



DTRIAC Customers

DoD Customers

OSD
DTRA
DIA
MDA (BMDO)
Combatant Commands
Other IACs & Contractors

Service Customers

US Air Force
US Army
US Navy

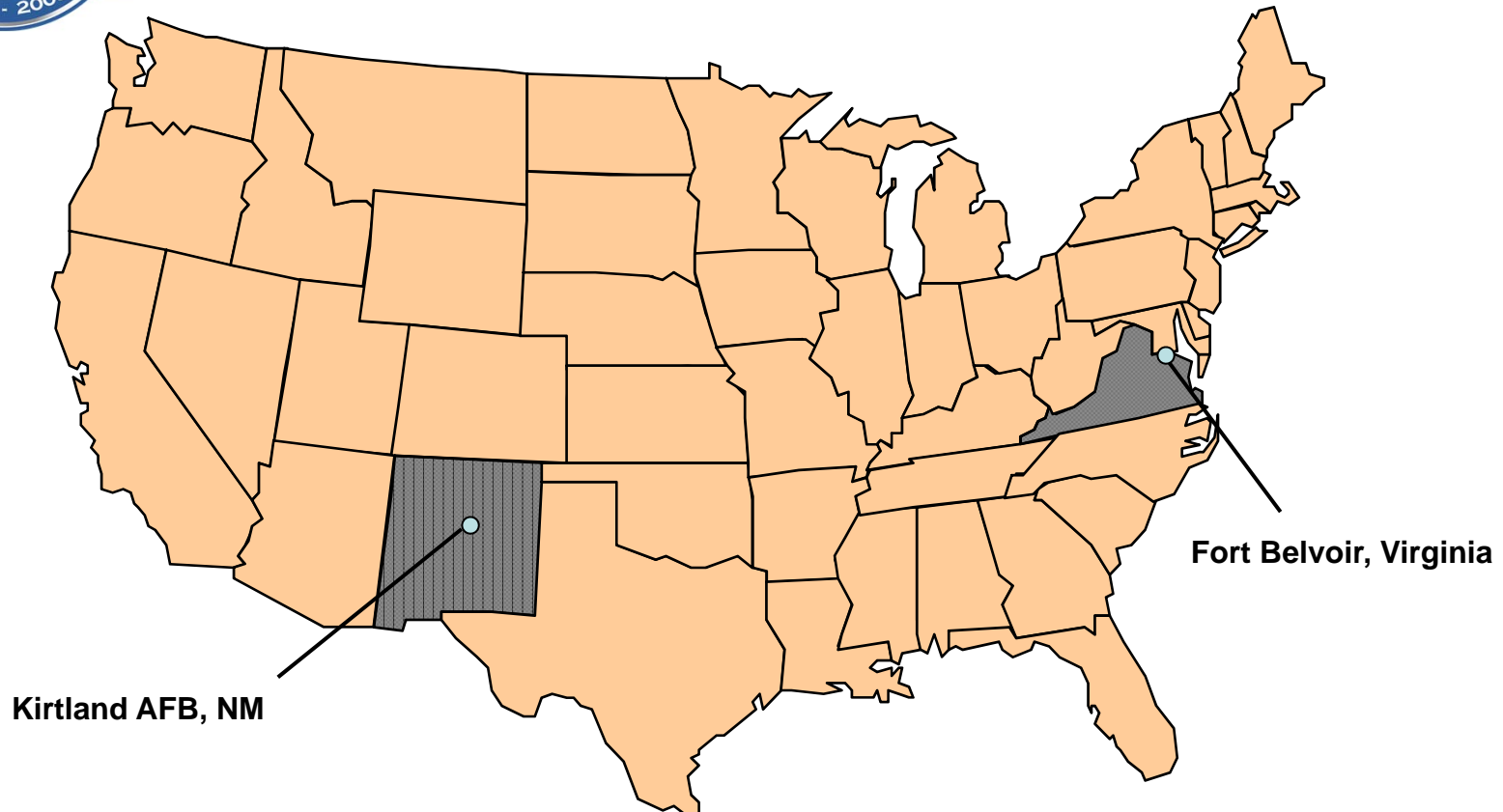
Non-DoD Customers

Department of Energy
National Atomic Museum
Department of State
NSA
CIA
NGA
US Geological Survey
Veterans Affairs
DHS
NATO Partners
International Customers

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DTRIAC Locations



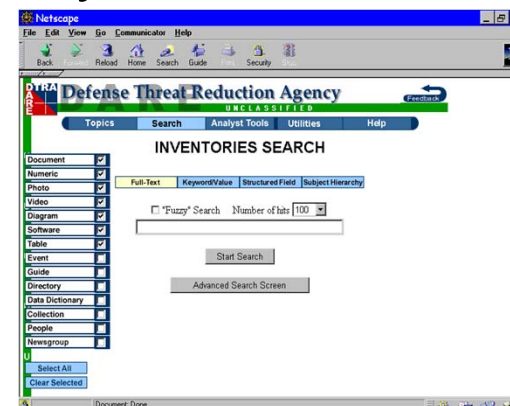
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DTRIAC Core Operations

- Maintain Collection focused on DTRA mission areas
- Maintain Electronic web-accessible database
- Support TATs with Technical Information
- Respond to Technical Inquiries from Threat Reduction Community
- Provide Scientific Technical Information Support Center
- Provide research facility to on-site visitors



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DTRIAC Film and Stills Collection

- More than 20,000 films
 - Mostly atmospheric nuclear weapons effects testing
 - Documentary films for the DOE/DoD Historic Film Project
 - 85 unclassified films
- WMD and HDBT Defeat videos



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“So What – Why Preserve?”

- Films and photos contain scientific data
 - Color, size of fireball
 - Calibration flares at 100-yard intervals to measure size
 - Shock wave phenomena
- Films and photos are an indispensable complement to numerical and report data – “A picture is worth 1000 words”
- Atomic Veterans & DTRA’s Nuclear Test Personnel Review (NTPR) Program
 - Effects of radiation on humans
 - Dose reconstruction
 - Repeatedly used to establish legal boundaries in “atomic survivor” cases



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Project to preserve irreplaceable films and documents

- The race against time for DTRIAC photos, films, and videos
 - Cellulose-based films are rapidly deteriorating
 - Must transfer to polyester (preservation)
 - Must digitize to computer media (utilization)
 - Small amount of the film collection can only be opened once for preservation and digitization measures – then it's gone forever (will be damaged by process)
- Documents and Media:
 - Stored in warehouse, bunkers, and shelves
 - Valuable resource not accessible
 - DoD reorganizations and an aging nuclear workforce continue to spawn more “orphaned” collections
 - Deteriorating despite preventive measures



Rips & tears



Lacquer



Damage from solvents



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Discussion/Questions

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For further information

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