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# ***Defense Threat Reduction Agency's***

## ***Defense Threat Reduction Information Analysis Center***

19 November 2008

***DTRIAC***

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| a. REPORT<br><b>unclassified</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | b. ABSTRACT<br><b>unclassified</b> | c. THIS PAGE<br><b>unclassified</b> |                                             |                                             |                                    |



# 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

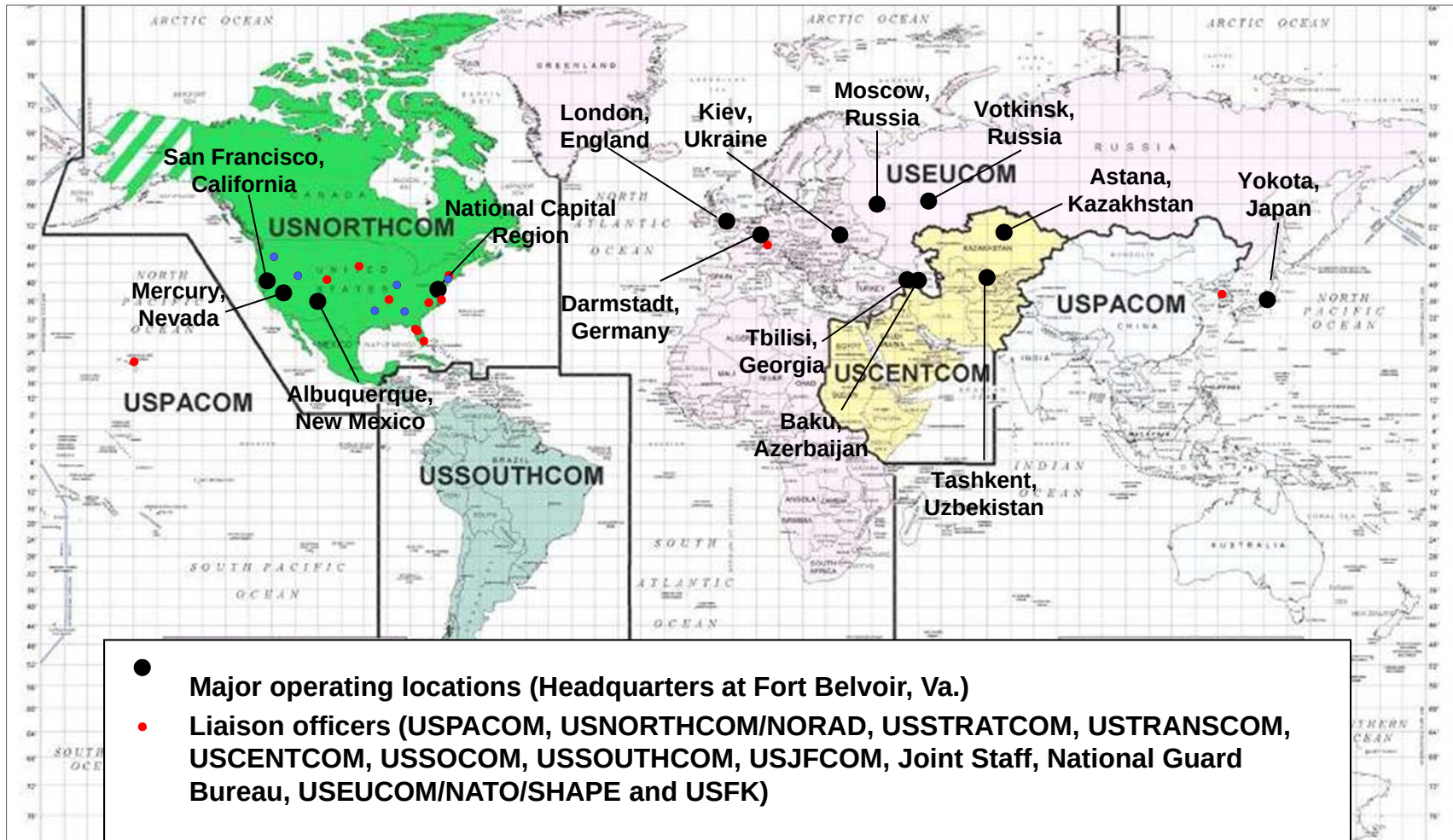
The DoD created DTRA as a combat support agency to focus department capabilities in the fight against WMD.

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

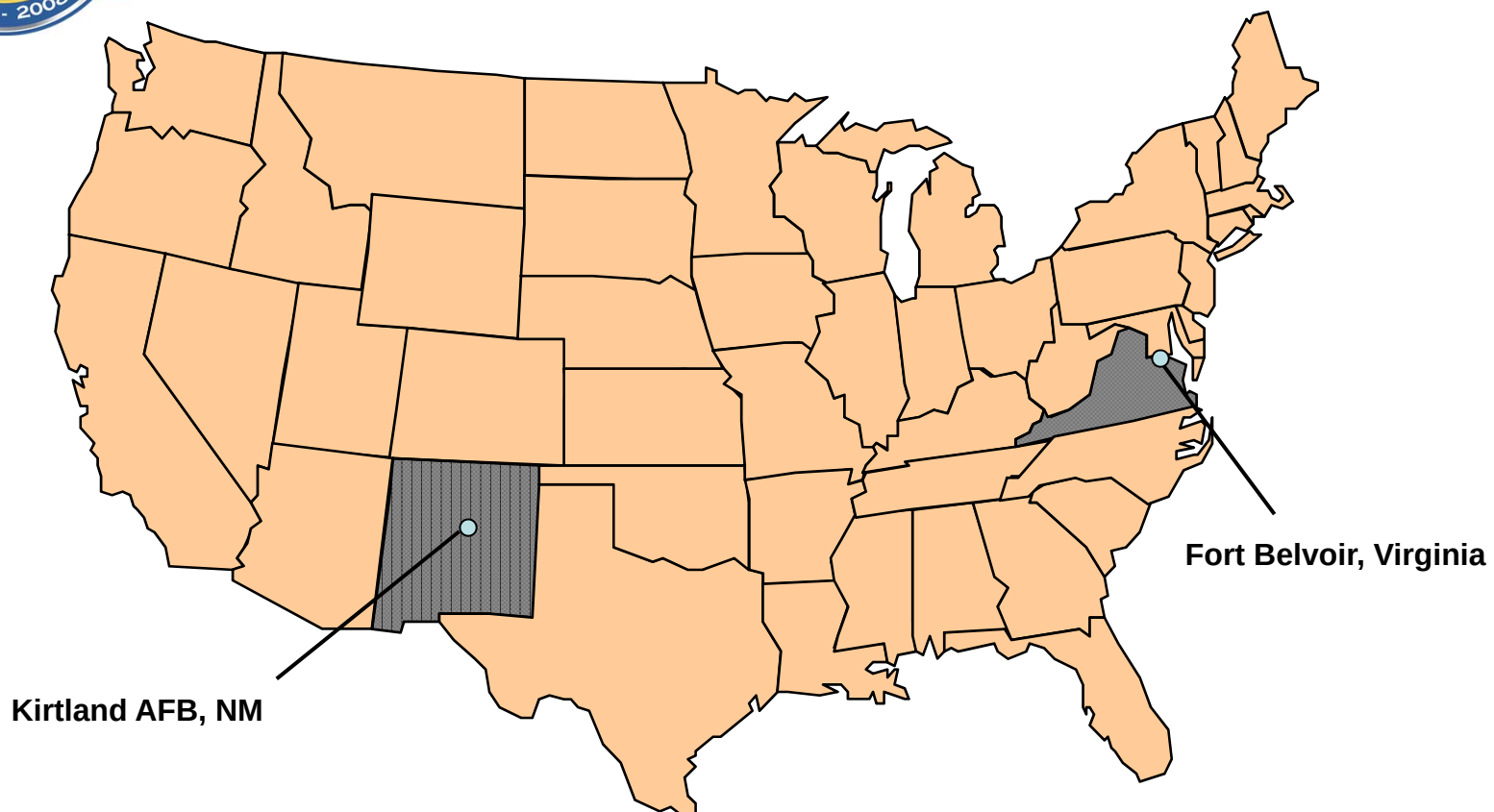
## Non-DoD Customers

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



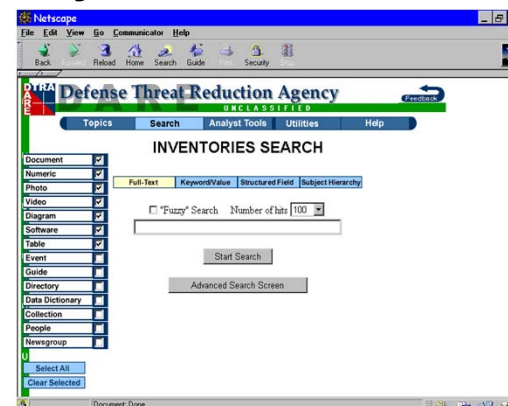
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# DTRIAC Core Operations

- 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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