

The Classification of this Brief is:
UNCLASSIFIED



*North American
Aerospace Defense Command
&
United States Northern Command*

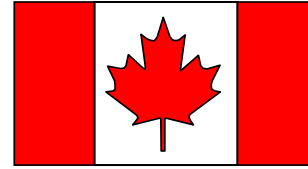
**COL James Brown, USA
Chief, USNORTHCOM J34
Force Protection / Mission
Assurance Division**



- **How NORAD and USNORTHCOM Fit Together**
- **Missions**
- **Areas of Operations/Responsibility**
- **Operations**
- **Interagency Collaboration**
- **Training & Exercises**



How We Fit Together



PRESIDENT

CANADIAN
PRIME MINISTER

SECRETARY
OF DEFENSE

DEFENCE MINISTER

CHAIRMAN OF THE
JOINT CHIEFS OF STAFF

CHIEF OF THE
DEFENCE STAFF

UNITED STATES
NORTHERN COMMAND



NORTH AMERICAN
AEROSPACE
DEFENSE COMMAND





NORAD & USNORTHCOM Missions

- **NORAD Missions:**
 - Aerospace Warning
 - Aerospace Control
 - Maritime Warning

- **USNORTHCOM Missions:**
 - Homeland Defense
 - Civil Support



Aerospace Warning

NORAD Agreement:

- Process, Assess and Disseminate intelligence and information related to manmade objects in the aerospace domain

Terms of Reference:

- Includes support of designated commands responsible for missile defense
- Monitor global aerospace activities & related developments

Missile Warning Sensors



Air Sensors



Space Sensors





Aerospace Control

NORAD Agreement: Provide surveillance and control of the airspace of Canada & the U.S.

Terms of Reference:

- Airspace of and approaches to North America
- Safeguard sovereign airspace of both countries
- Capabilities to detect, identify, monitor and take actions (visual ID to destruction) against manned and unmanned airborne objects

Surveillance (know what is going on)

Detect/Track



Scramble



Control (take appropriate action)



Maritime Warning



NORAD Agreement: Processing, assessing, and disseminating intel/info related to maritime areas and international waterways & the maritime approaches to the U.S. & Canada

Terms of Reference:

- process & disseminate intel/info as part of an information sharing network
- enables the validation, characterization, and assessment of an attack by traditional or asymmetric maritime threats







USNORTHCOM Mission

USNORTHCOM anticipates and conducts Homeland Defense and Civil Support operations within the assigned area of responsibility to defend, protect, and secure the United States and its interest



USNORTHCOM defends America's homeland—protecting our people, national power, and freedom of action



Our Role in Protecting the Homeland

Unique Area of Responsibility
Specialized Capabilities

DoD's #1 Priority

Extraordinary Circumstances

Homeland Defense

Emergency Circumstances

Temporary Circumstances

Defense Support of Civil Authorities



Execute OPLANS



Special Events Counter Narcotics



Support to



Domestic Disaster Relief



Domestic Civil Support



CBRNE Incident Mgmt



Ground-Based Midcourse Defense



DSP Satellites



Forward-Based Radar (FBX-T)



AEGIS



AN/TPY-2 Radar



Early Warning Radar (Cobra Dane)



Command, Control, Battle Management & Communications

USSTRATCOM

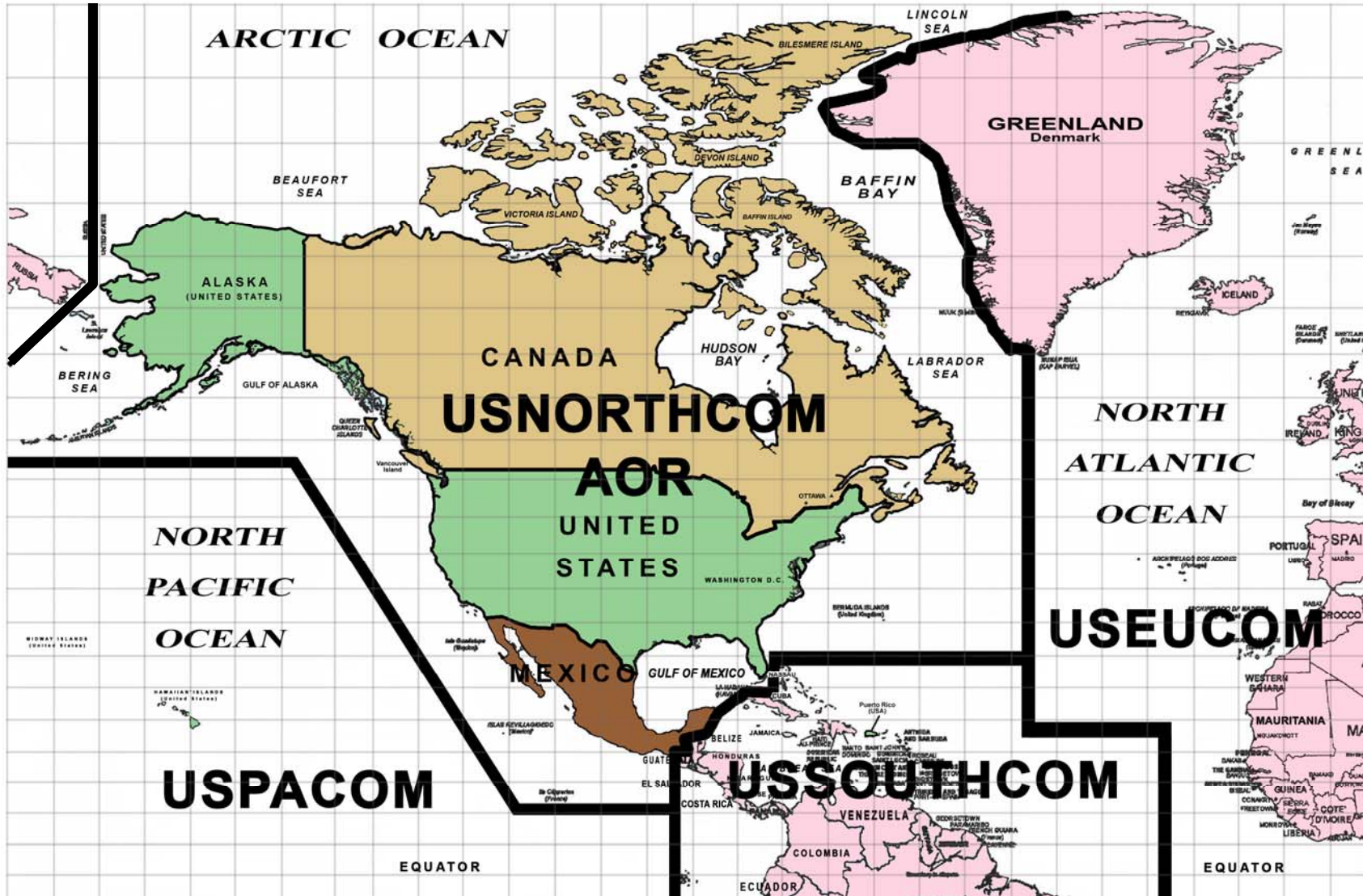
USPACOM

USNORTHCOM

NORAD

NMCC

Area of Responsibility





Scope of the CONUS Effort

- **Over 85 percent of all Department of Defense assets are in the U.S. Northern Command area of responsibility**

Personnel: All DoD personnel to include DoD Contractors, Family members and Reserve Components

Installations/Facilities:

DoD Installations – 2,887*

- **Army – 1,343**
- **Air Force – 857**
- **Navy – 599**
- **USMC – 88**



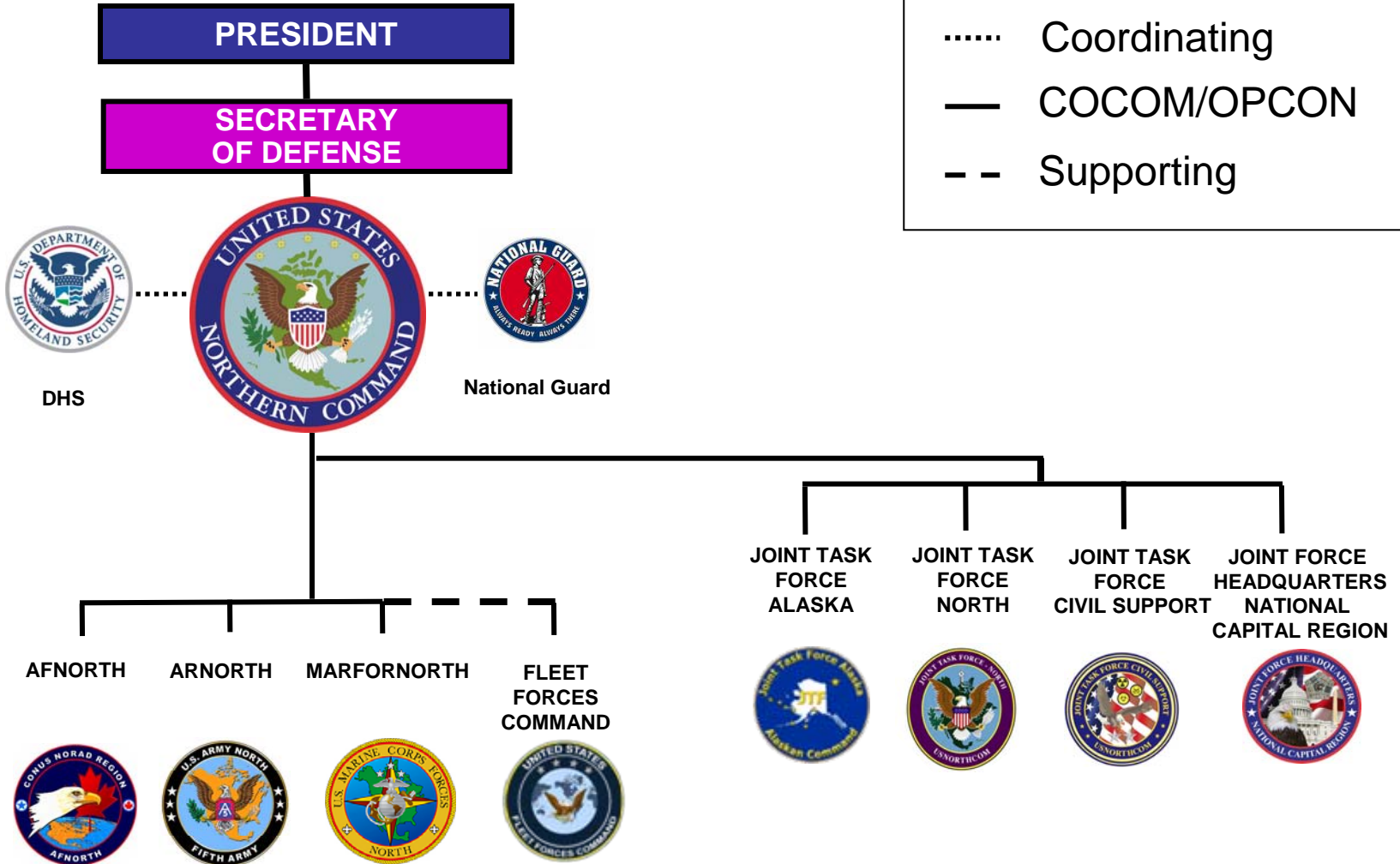
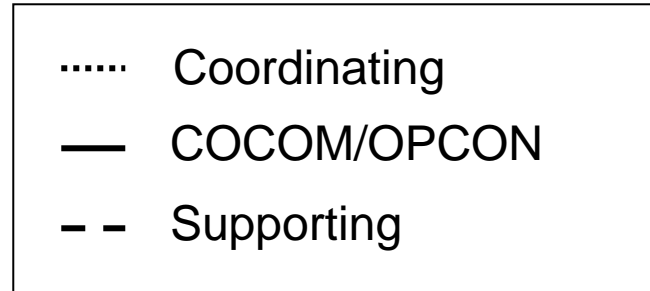
** Installation/facility totals derived from DoD Base Structure Report, FY06 Baseline; Does not include military off-installation activities or those of the DoD Agencies and Field Activities across the NC AOR*

USNORTHCOM C2



U.S. Geographic Combatant Command

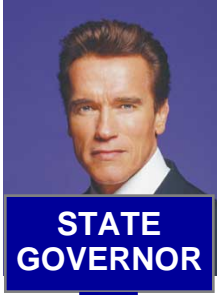
Relationships





The National Response Framework (Plan)

STATE RESPONSE



STATE GOVERNOR

STATE ASSETS



EMAC

REQUEST FOR



ASSISTANCE

FEDERAL RESPONSE



PRESIDENT



DHS



STATE OPS CENTER



JOINT FIELD OFFICE



DEFENSE COORDINATING OFFICER

LOCAL FIRST-RESPONDERS



PRIMARY AGENCY



REQUEST FOR ASSISTANCE

DOD RESPONSE



USNORTHCOM



SUPPORT AS DIRECTED





Total Force/Interagency Team

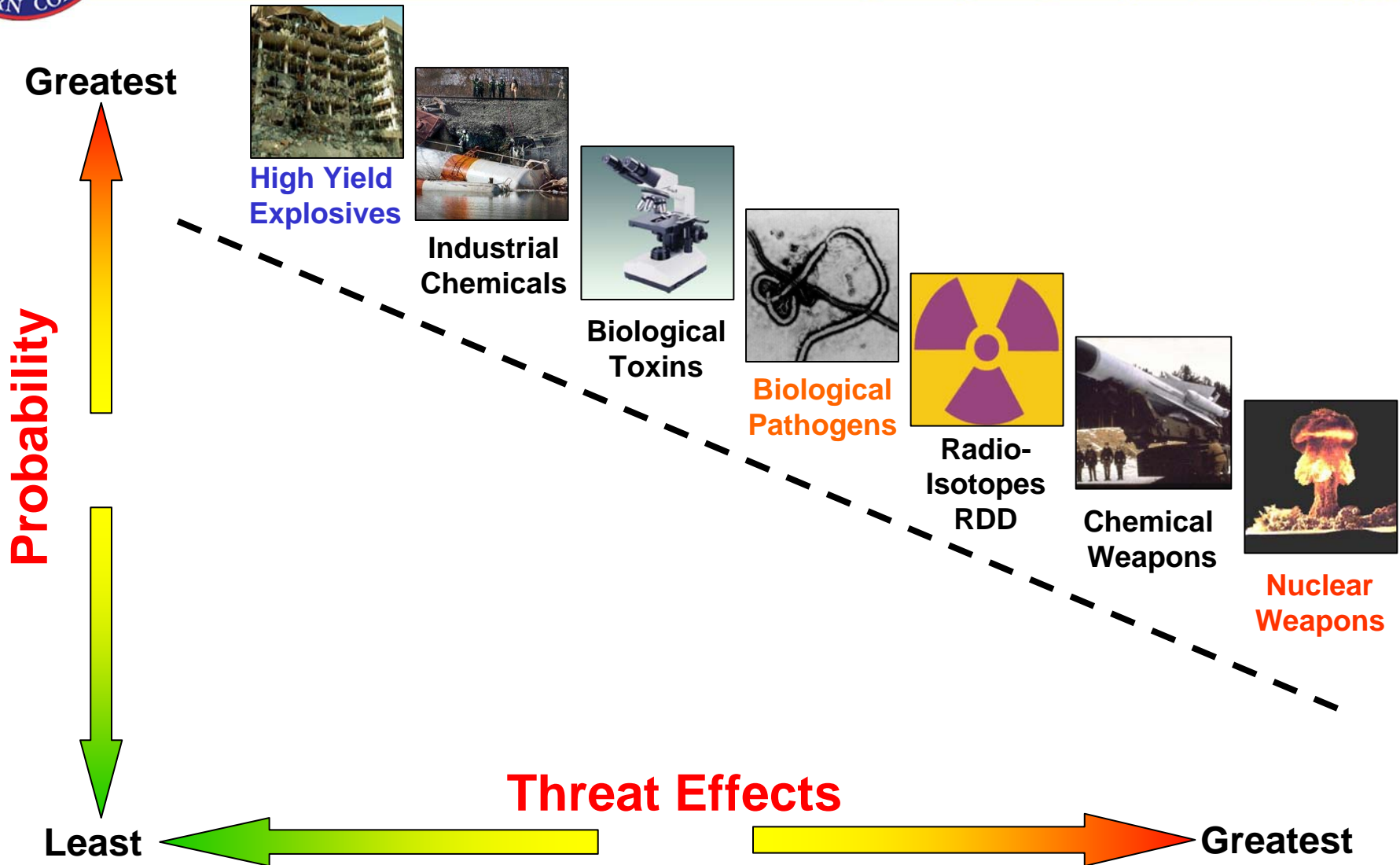


Over 60 Organizations are part of our Team

Redefining Jointness...Success Through Effective Relationships



CBRNE Threat / Probability Continuum



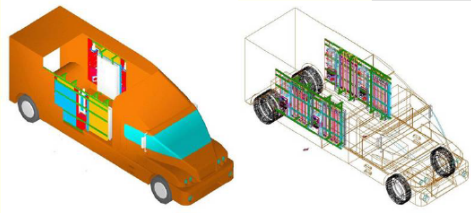


Smart Threads Integrated Radiological Sensors (STIRS)

- **NC as JCTD Operational Manager** -- \$45M, 4-yr Joint Capabilities Technology Demonstration (JCTD)
 - Radiation detection systems capable of transmitting radiation detection and identification information via tactical and operational C4 systems
 - Increases tactical unit commander **detection and identification** of radiological/nuclear material
 - Three project “spirals”: Backpack, Vehicle / Maritime panels, and Pod on FIRESCOUT UAV



Van Mounted Mobile STIRS System



Van, SUV, and Patrol Cruiser Mobile Systems



SPARTAN Mobile System - USV



Progress to Date




Age 24 Wt. 170
 Hgt. 5 ft. 8 1/2 in
 Color Hair Brown
 Color Eyes Brown



1920
 (Card not official without Air Service Seal)
 Signature Herbert K. Baisley
 Name Typed..Herbert..K..Baisley..
 Rank..... 2nd. Lieut.
 Organization..Aviation Section...
 Signal Reserve Corps
 Rating..Reserve..Military..Aviator

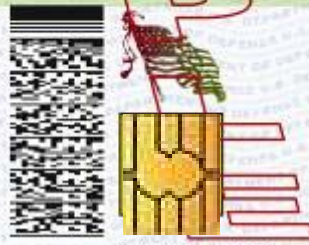
Overall – we are still utilizing “flash pass” access control; non-compliant with DOD regulation; not applying electronic authentication or biometrics

United States Government JAN2009



Affiliation Civilian
 Agency/Department Department of Defense
 Expires 2009JAN18

Doe, John, G.



Identification Card

WAR DEPARTMENT THE ADJUTANT GENERAL'S OFFICE WASHINGTON

This is to identify Henry E. SALZMAN (Name) (Grade) AAF 12069050 Army of the United States (Serial No.) whose signature, photograph, and fingerprints appear herewith.

Countersigned by: [Signature] (Signature of Issue) The Adjutant General of the Army, (Name) (Grade)

HENRY E. SALZMAN (Name) (Grade) AAF

Date of birth July 6, 1910
 Color eyes Bwn Color hair Blk
 Weight 168lb Height 5 ft. 9 ins.



Henry E SALZMAN
 PFC AAF

Date issued DEC 28 1947
 One of this card will be reported to The Adjutant General without delay by the individual named hereon, with the circumstances.
 W. D., A. G. O. Form No. 65-4 March 21, 1947



HENRY E SALZMAN
 CPL 12039050

Terrorist Attack Synopsis – Aug 1985



- Rhein-Main Air Base, Germany
- Synopsis:
 - On 8 August 1985, The Red Army Faction also commonly known as the Baader-Meinhof Group (or Gang) exploded a bomb in a Volkswagen Minibus on Rhein-Main Air Base in the parking lot across from the base commander's office. Two people were killed in the attack; Airman First Class Frank Scarton and Becky Bristol, a U.S. civilian employee who also was the spouse of a U.S. Air Force enlisted man. Additionally, the blast wounded twenty other personnel.



- Army Specialist Edward Pimental was kidnapped and killed the night before for his military ID card which was used to gain access to the base. The French terrorist organization Action Directe is suspected to have collaborated with the RAF on this attack.
- Two RAF members, Birgit Hogefeld and Eva Haule have been tried and convicted for their involvement in this event. Hogefeld lured Specialist Pimental to her home after meeting him in a bar, where he was then shot through the neck and killed. Eva Haule was also convicted for involvement with Pimental's murder.





Islamic Jihad Union and Fort Dix, 2007

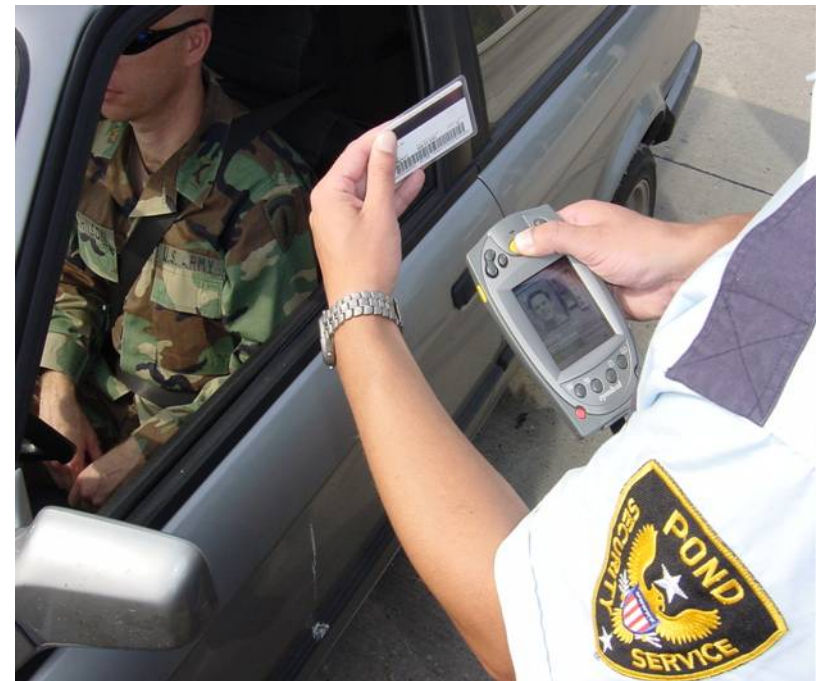
- **Threat**: Islamic Jihad Union (IJU), 3 arrested and 7 suspects at large; extended planning to carry out attacks against German and American targets including Ramstein Air Base
 - ✓ **Mitigation**: Defense Biometric Identification System (DBIDS) enterprise is in place at EUCOM bases; includes 100 percent electronic credentialing for installation access
- **Threat**: Fort Dix “six” used a group member’s family pizza shop as a cover to gain access and conduct surveillance on Fort Dix via pizza deliveries, acquired maps of military facilities
 - **Mitigation**: Control access to bases; electronic & biometric credentialing; background checks for all vendors and contractors in accordance with DoD regulation; networked CONUS enterprise for 24/7 situational awareness across all Services.



Biometrics to protect the Homeland



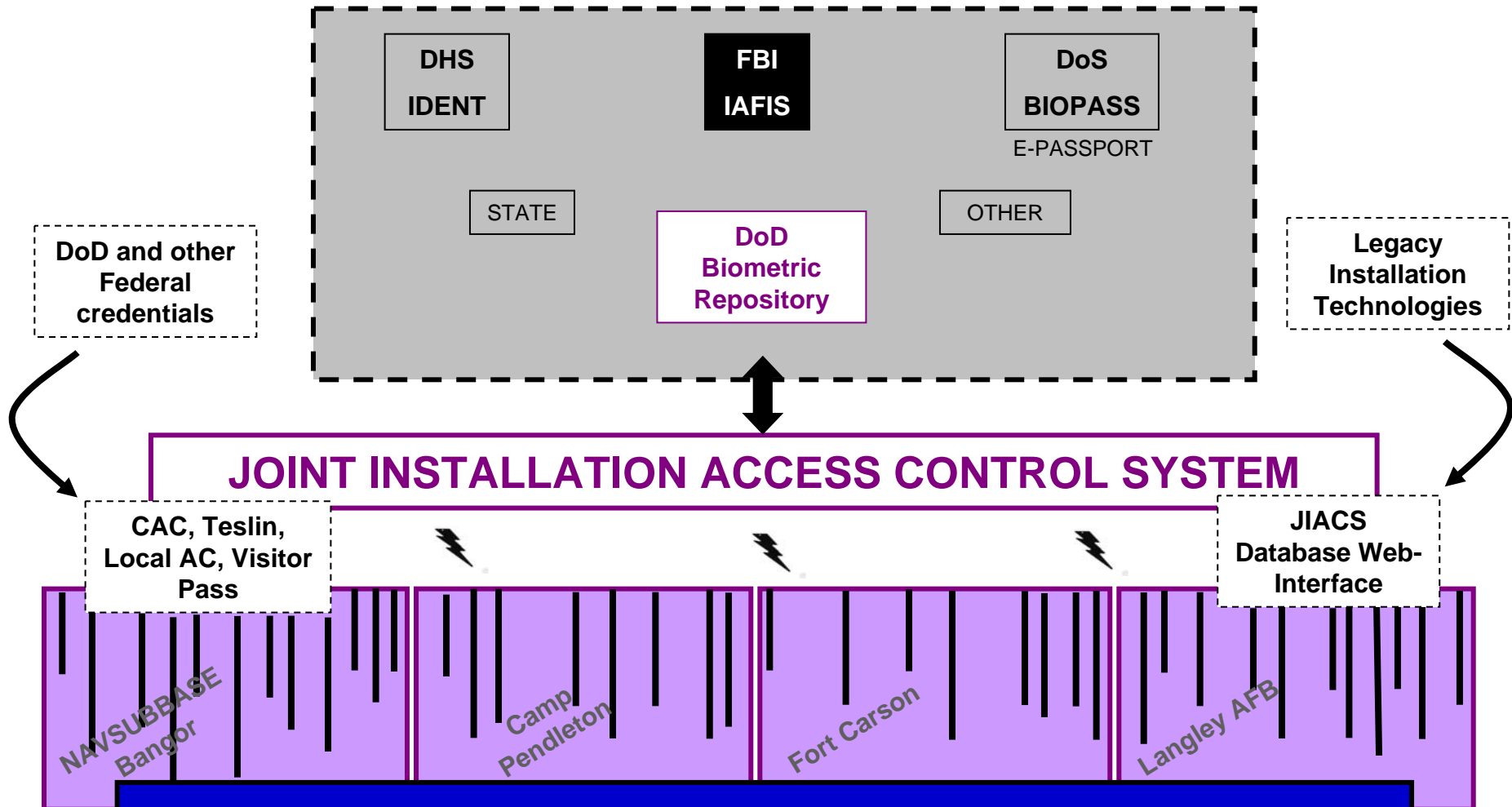
DBIDS is currently in place in Korea and Europe.



An ID Card can be scanned and authenticated in less time than to properly check the card without the scanner.

Proposed Architecture

BIOMETRIC DATABASES - Red & Blue / Terrorist & Criminal / DoD & non-DoD



Give Local Commander Global Visibility!

Summary

- Challenge
- Threat
- Progress
- Scope
- Concept
- End-State



Biometrics & Identity Management
→ *the Achilles Heel of terrorists and criminals*



NORAD and USNORTHCOM



*Defending our
Homelands*

