



dcn: 9868



Fort Detrick Briefing to TABS Group

**MG Lester Martinez-Lopez
COL John E. Ball**

1 March 2004



Winner - Chief of Staff of the Army Communities of Excellence





Overview

- **MACOM Affiliation**
- **Historical Overview**
- **Fort Detrick Organizations**
- **Mission Synergy**
- **Base Operations Support**
- **Fort Detrick Master Plan**
- **Community Relations**



MACOM



- **“Special Installation” by IMA classification**
- **US Army Medical Command retains Command and Control**
- **Primarily DHP funded**





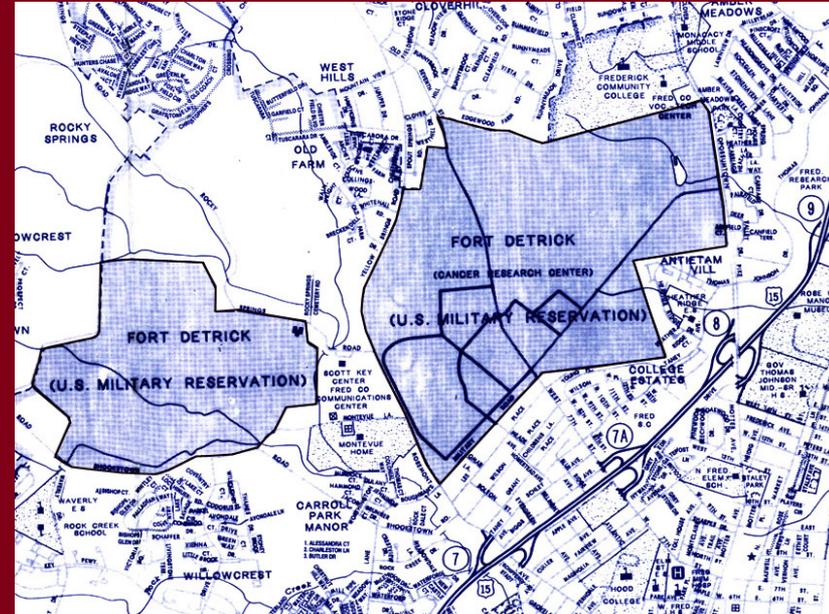
Historical Overview



Fort Detrick



- Established 1943
- Workforce - 6,924
- 1,143 acres – 4 parcels of land
 - Main Post (Area A) – 728 acres
 - Area B – 399 acres
 - Waste Water Treatment Facility (Area C) – 9 acres
 - Water Treatment Facility (Area C) - 7 acres





MAJ Frederick L. Detrick



**Military
presence
in Frederick
since 1931**

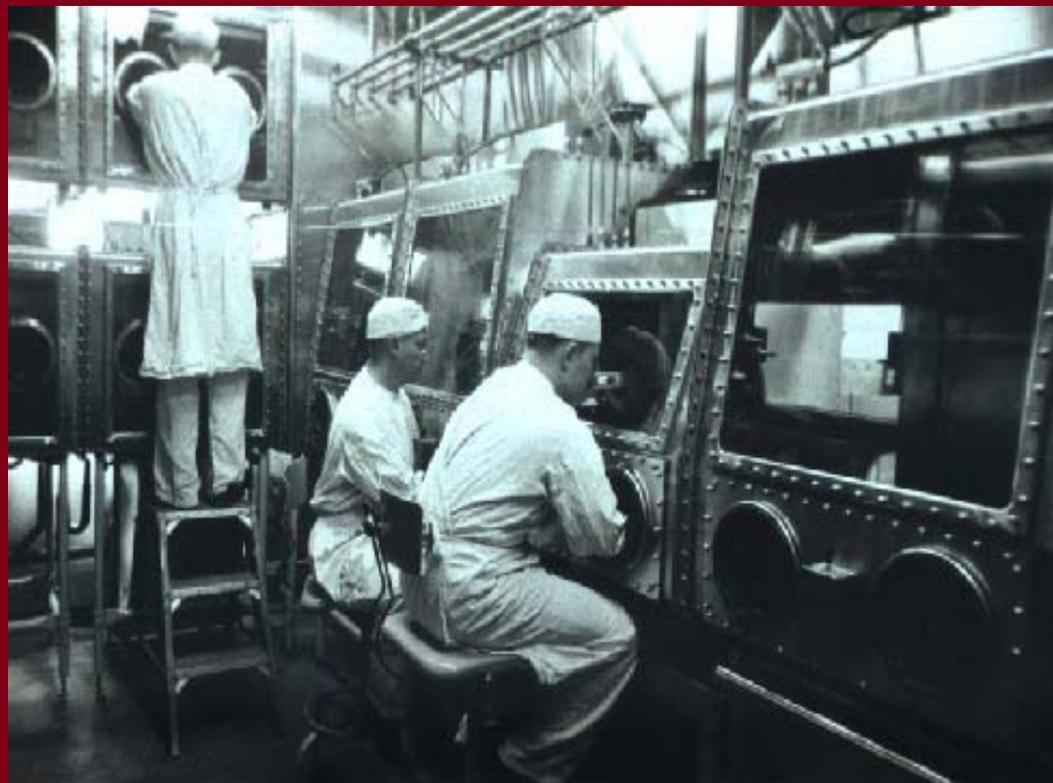




Camp Detrick - 1943



**Camp
Detrick –
Army
Biological Labs
address BW
Threat**





Tenant Organizations



- 38 Tenants
- Strategic Missions
 - National Biomedical Research and Development
 - Joint Medical Materiel Management
 - Global Telecommunications
- Other Significant Missions
 - Military Medical Intelligence
 - Detection of Crop Pathogens
 - IM/IT





Fort Detrick Support



- **Cabinet Level Agency Support**
 - **Department of Health and Human Services**
 - **Department of Agriculture**
 - **Department of Homeland Security**



Workforce Demographics



Total Workforce = 6,924

MILITARY

Army - 754*
Navy - 46
Air Force - 34
Marine - 13
Public Health Service - 3
Active NG/Reservists - 88
Inactive NG/Reservists – 210

TOTAL = 1148

CIVILIANS

Army – 1571*
Navy - 64
Air Force - 38
DoD - 37
NCI - 497
USDA - 52
Contractors – 3044*
Other - 473

TOTAL = 5776

***includes US Army Garrison**



Additional Support



- **Raven Rock Mountain Complex (Site R) – 716**
 - **Military – 332**
 - **Civilian – 197**
 - **Contractors – 187**
- **Retirees/Dependents/Survivors supported – 16,565**



Garrison Commercial Activity Study



Garrison CA Study



- **Government Successful Bid**
- **Implemented MEO – 22 Feb**
- **MEO Positions - Full-time Equivalents (FTEs) reduced by 27%**
- **No involuntary separations**
- **23 vacancies remain to be filled at end of RIF**



BRAC '95 Impact On Fort Detrick



BRAC '95

- **Fort Ritchie Closure - 1 Oct 98**
 - **1,200 military/civilians**
 - **New Construction - \$50 million**
 - **Unaccompanied Enlisted Personnel Housing**
 - **Administration Building**
 - **Health/Dental Clinic**
 - **MP Building**
 - **Fitness Center**
- **Assumed Command for Raven Rock (Site R) in 1997; retain BASOP support after RR transfer to MDW in 2002**





BRAC '95



New tenants transferred under BRAC '95

- **21st Signal Brigade**
- **114th Signal Battalion**
- **Technology Application Office**
- **USAISC – Fort Detrick Engineering Office**
- **US Army Security Force**



BRAC 2005 Data Call



- 24 Feb 04 – Garrison Commander Pre-Certified Fort Detrick's Answers.
- 26 Feb 04 – Senior Mission Commander (SMC) Opened ODIN for MACOM and IMA Review.
- 24 Mar 04 - Target Date for SMC Certification
- Question Stats:
 - 548 Questions Assigned
 - 237 Questions Answered and Approved
 - 311 Questions Not Applicable
 - 0 Questions Unanswered



Fort Detrick Organizations



US Army Medical Research and Materiel Command



“We deliver the best medical solutions, for today and tomorrow, to enhance, protect and treat the warfighter on point for the Nation.”

Senior Mission and Installation Commander – MG Lester Martinez-Lopez



USAMRMC MISSION



- **Project and Sustain a Healthy and Medically Protected Force**
- **Be an Agent of Transformation for the Objective Medical Force**
- **Enhance the Care of Service Members and the Military Family by Leveraging Medical Solutions**

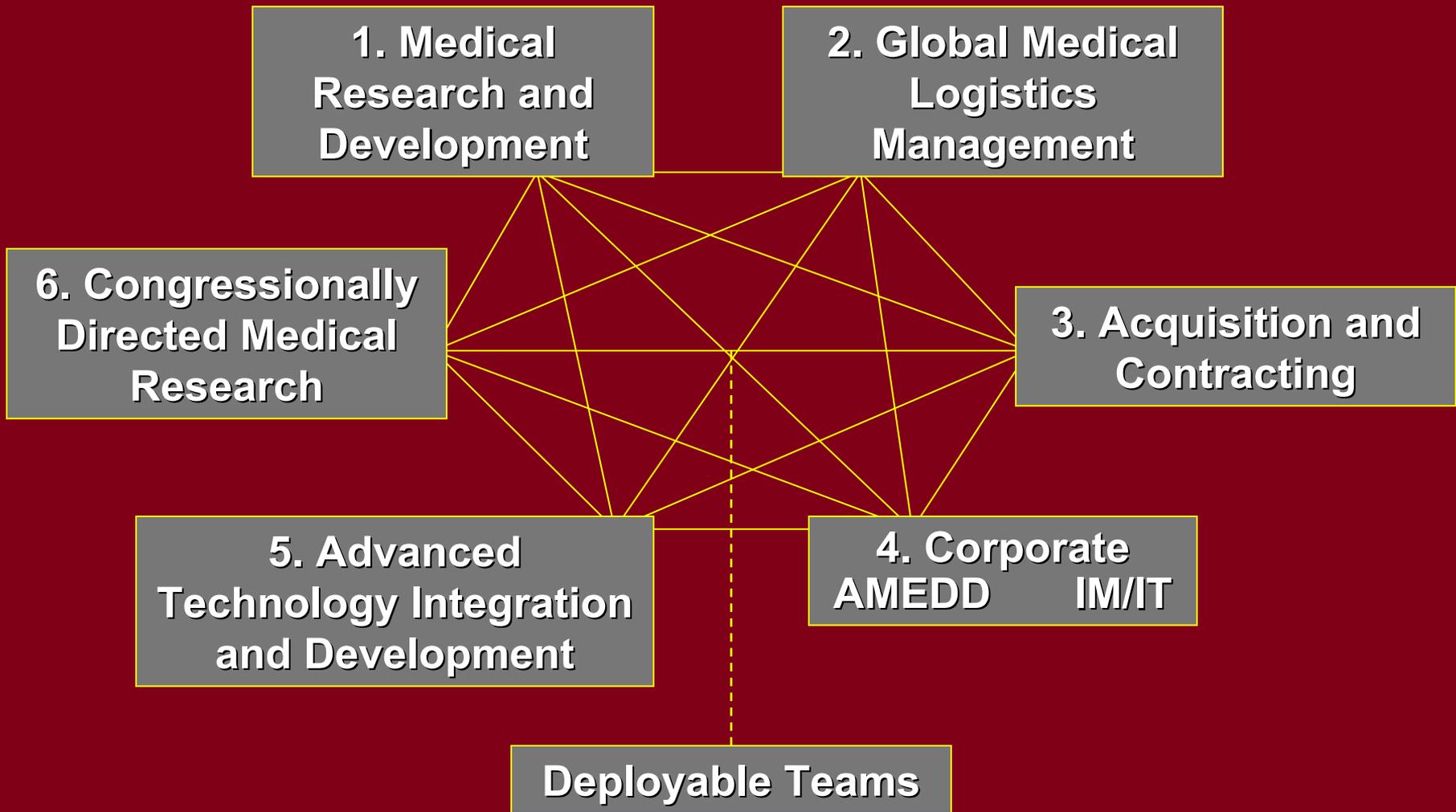




USAMRMC

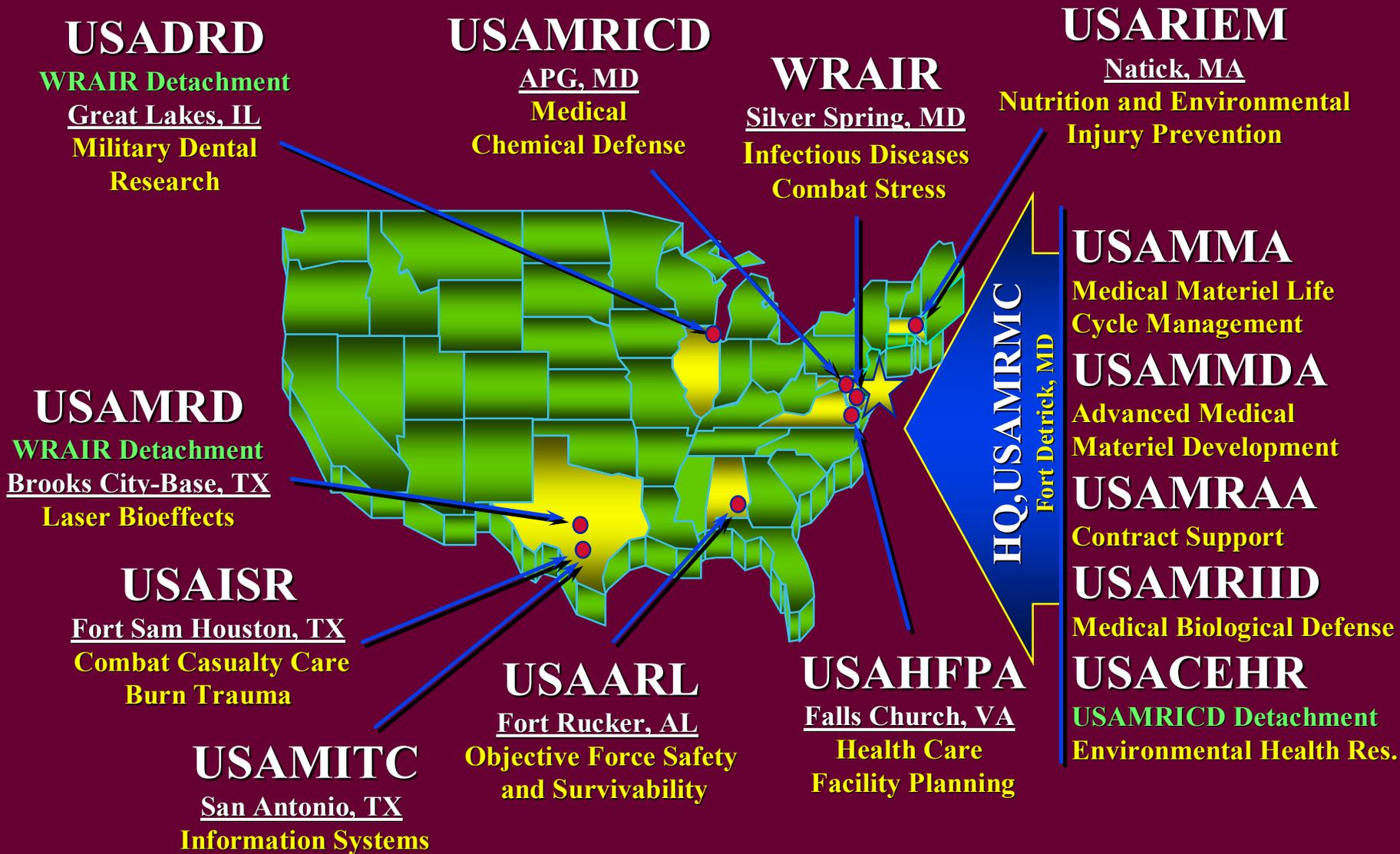


Major Responsibilities



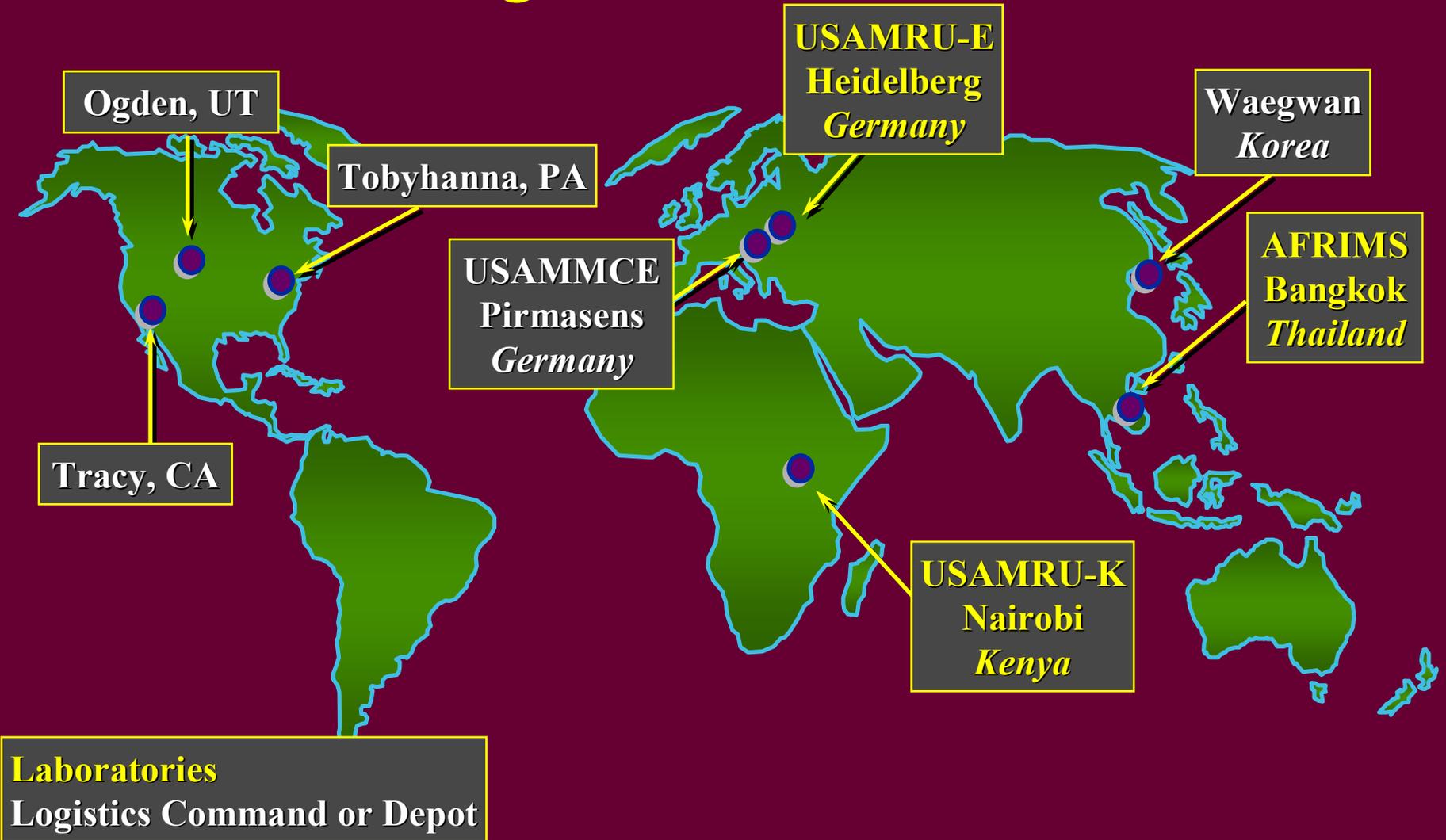
USAMRMC

CONUS-Based Organizations



USAMRMC

Overseas-Based Organizations and Logistics Infrastructure





HQs, USAMRMC Congressional Directed Medical Research



- Targeted research (e.g., breast cancer, prostate cancer)
- Vision adapted yearly to accommodate rapid change
- Highly flexible model to address research gaps
- Consumer participation on panels
- Two-tiered review (peer and programmatic)





HQs, USAMRMC Telemedicine and Advanced Technology Research Center (TATRC)



- Integrate medical knowledge, advanced diagnostics and simulations with state-of-the-art information management and telecommunications
- Enhance operational and medical decision-making, improve medical training, and deliver medical treatment
- Identify, explore, and demonstrate key technologies and biomedical principles needed to overcome barriers that are medically and militarily unique
- Key projects:
 - Battlefield Medical Information System - Telemedicine (BMIS-T)
 - Synchronon-Based Scanning Research
 - Smallpox Inoculation Training Unit (SITU)





USAMRMC Major Subordinate Organizations



- **Laboratories at Fort Detrick**
 - U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID)
 - US Army Center for Environmental Health Research (subordinate command of US Army Medical Research Institute of Chemical Defense (USAMRICD))
- **Commands/Directorates at Fort Detrick:**
 - U.S. Army Medical Materiel Development Activity (USAMMDA)
 - U.S. Army Medical Research Acquisition Activity (USAMRAA)
 - U.S. Army Medical Materiel Agency (USAMMA)



USAMRMC

U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID)



- USAMRMC main lab for medical biological defense research
- Basic research leading to vaccine, drug, and diagnostic system development
- BSL-4 laboratory (maximum containment) and patient care capability
- Educates military/civilian medical personnel in medical management of biological casualties
- Collaboration with other DOD and federal agencies on domestic anti-terrorism programs



- 23 laboratories
- 6 high containment



USAMRIID

A Unique Asset – Cornerstone of the National Biodefense Effort”



UNIQUE FACILITIES

- Medical product evaluation in animal models of disease
- Aerobiology labs for conducting infectious aerosol exposures
- Biosafety Level (BSL) 4 labs
- Only BSL-4 patient care suite in the Nation

UNIQUE CAPABILITIES

- Deployable expertise
- Outbreak investigation/support
- Incident response education/training
- Definitive I.D. of new threats

UNIQUE PEOPLE AND EXPERTISE

- 34 years of experience safely handling the world's deadliest pathogens in biocontainment
- The Nation's experts in infectious aerosols resides at USAMRIID
- Most of the Nation's subject matter experts on biological threats

MISSION

Basic & applied research on biological threats resulting in medical solutions to protect the War Fighter.



Comprehensive ability to respond to bio threats



Department of Homeland Security



National Biodefense Countermeasures Center

- **Conducts bioforensic analysis**
- **Collocated with US Army Medical Research Institute of Infectious Diseases**



USAMRMC Deployable Teams



- Teams internal to USAMRMC:
 - Special Medical Augmentation Response Team (SMART) Teams:
 - Aeromedical Isolation Team (BioCasualties) Special Medical Augmentation Response Team (SMART AIT) – At Fort Detrick
 - Health Facility Special Medical Augmentation Response Team (SMART HS)
 - Burn Treatment / Transportation Special Medical Augmentation Response Team (SMART Burn)
 - Other teams:
 - Investigational New Drugs (IND Support Team)
 - Human Dimensions Teams (stress assessment)
 - Medical Logistics Support Teams
- USAMRMC personnel also contribute to other AMEDD deployable teams, e.g., Chem/Bio, mental health, etc.



SMART AIT

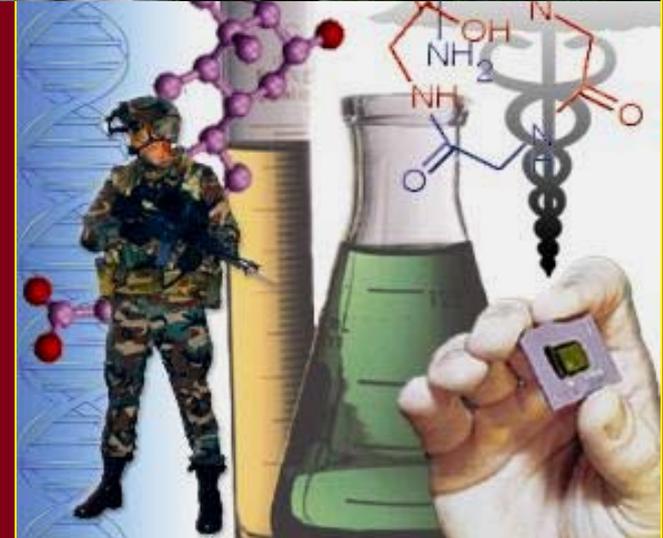


USAMRMC U.S. Army Center for Environmental Health Research



USAMRICD Subordinate Command

- Enhance Force Health Protection and Deployment Health Surveillance
- Develop products that mitigate the risks of exposure to toxic industrial chemicals/materials
- Exploit new technologies for toxicity test product development
- Develop and field platforms that provide early warning of environmental health hazards
- Develop new water and food testing technologies





USAMRMC

U.S. Army Medical Materiel Development Activity



- Advanced development of promising concepts/products (6.4-6.5)
- Meet cost, schedule and performance objectives
- Sponsor's Representative for Monitoring of Clinical Trials
- Coordination with AMEDD Center and School for medical requirements
- Coordinate and interface with FDA
- Implements The Surgeon General's Executive Agency for implementation of the Contingency Investigational New Drugs (INDs) for Force Health Protection



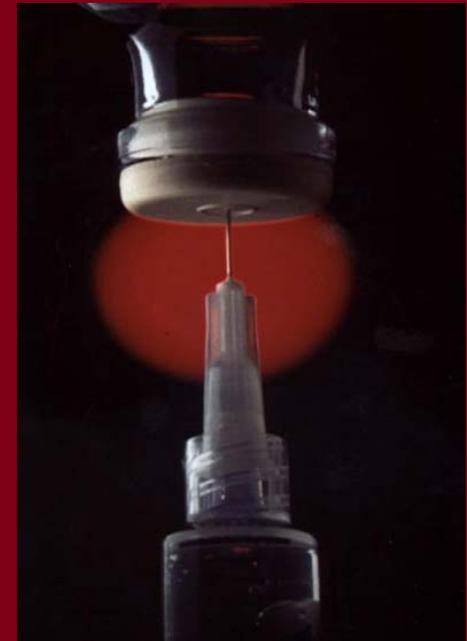


USAMRMC

U.S. Army Medical Research Acquisition Activity (USAMRAA)



- Contracting support for all USAMRMC elements, Fort Detrick Garrison, some tenant units, OSD, HQDA, DHS, and OTSG-sponsored projects, Congressional programs, and reimbursable customers
- FY03 Awards made in contracts, grants, and agreements:
 - 4,184 Contract actions totaling \$407.4M
 - 1,287 Assistance Agreement actions totaling \$607M (i.e. Cooperative Agreements and Grants w/ Industry and Academia)





USAMRMC

U.S. Army Medical Materiel Agency



- Provides worldwide medical logistics support to forces worldwide
- Develops and implements innovative logistics concepts and technologies
- Manages strategic war reserve and critical items (e.g. anthrax vaccine)
- Manages acquisition life cycle for medical materiel





USAMRMC Major Subordinate Organizations



- **Laboratories Not at Fort Detrick**
 - **Walter Reed Army Institute of Research (WRAIR) (5 subordinate commands: Thailand; Kenya; Germany; Brook City, TX; and Great Lakes, IL**
 - **U.S. Army Research Institute of Environmental Medicine (USARIEM)**
 - **U.S. Army Aeromedical Research Laboratory (USAARL)**
 - **U.S. Army Institute of Surgical Research (USAISR)**
 - **U.S. Army Medical Research Institute of Chemical Defense (USAMRICD)**
- **Commands/Directorates Not at Fort Detrick**
 - **U.S. Army Medical Materiel Center-Europe (USAMMCE)**
 - **U.S. Army Health Facility Planning Agency (USAHFPA)**
 - **U.S. Army Medical Information Technology Center (USAMITC)**



Other Medical Related Organizations on Fort Detrick



Armed Forces Medical Intelligence Center



- Sole DoD producer of medical intelligence
- Provides all-source intelligence on:
 - Worldwide infectious diseases and environmental health risks
 - Foreign military and civilian health care systems and infrastructure
 - foreign biomedical developments and life science technologies of military medical significance





Joint Readiness Clinical Advisory Board

(formerly Defense Medical Standardization Board)



- Standardizes medical materiel for use by all military services for War readiness requirements and Peacetime operations
- Achieves maximum standardization of deployable medical systems within the Military Services consistent with each Service's mission
- Provides clinical, technical, and logistical expertise to ensure quality medical materiel is available to the Services



Joint Medical Logistics Functional Development Center



- Ensures logistical integration among the Joint Readiness Clinical Advisory Board, U.S. Army Medical Materiel Agency, Naval Medical Logistics Command and Air Force Medical Logistics Office
- Integrates the medical logistics requirements of the three services into a single automated medical logistics system known as the Defense Medical Logistics Standard Support (DMLSS) Program



Air Force Medical Support Agency/ Surgeon General Support Logistics

(formerly Air Force Medical Logistics Office)



- **Provides and coordinates medical materiel management and logistical support to the operating forces and US Air Force**
- **Collaborates with other offices, commands, and agencies on medical materiel and logistical support matters**



US Naval Medical Logistics Command



- Provides and coordinates medical and dental materiel management and logistical support to the operating forces, U.S. Marine Corps, and shore activities
- Collaborates with other offices, commands, and agencies on medical materiel and logistical support matters



6th Medical Logistics Management Center

US Army Forces Command unit



- Provides Joint Theater centralized information management of medical (Class VIII) materiel, medical equipment maintenance, and blood to deployed forces
- Early worldwide deployable unit – Only one of its type in DoD





Air Force Medical Evaluation Support Activity



- **Assesses and integrates emerging U.S. Air Force (USAF), Joint, and commercial medical technologies into the Air Force Medical Service (AFMS) through realistic military utility assessments and demonstrations**
- **Responsible for operations facilitating rapid assessment and fielding of new technologies for medical providers**



Chemical Biological Medical Systems Project Management Office



Provides the development and production of Food and Drug Administration (FDA) licensed biological and chemical medical products as well as the management of the Joint Vaccine Acquisition Program (JVAP) and the Medical Identification and Treatment Systems (MITS).



Medical Communications for Combat Casualty Care



Reports to PEO, Standard Army Management Information Systems

- **Develops and fields the information management, information technology and advanced communications capabilities to facilitate the automation and digitization of the Army's deployable medical forces.**
- **Develops and deploys to the Army an integrated family of medical communications and automated information systems to enhance Army and Joint combat casualty care.**
 - **Theater Medical Information Program (TMIP)**
 - **Warfighter Physiological Status Monitor (WPSM)**
 - **Medical Equipment Set-Telemedicine (MES-T)**



Global Medical Support Division, Training and Exercises (Formerly WAR-MED)



- **Designs, validates, and documents contingency medical systems using modeling and simulation tools to determine the most appropriate mix of personnel, equipment, and training for timely, cost-effective care, and predicting optimal patient outcomes.**
- **Develops and updates Air Force Surgeon General medical readiness doctrine, policy, and clinical guidelines.**
- **Facilitates the development and maintenance of training requirements and planning modalities for the Air Force Medical Service in support of deployed forces and returning casualties.**



Barquist Army Health Care Facility



- **Dental Clinic**
 - Provides dental services to active duty military assigned to Fort Detrick.
 - Provides dental care to military assigned to Raven Rock Mountain Complex (Site R).
- **Health Clinic**
 - Provides general medical care, including pharmacy, laboratory, and x-ray services, to active duty military, military retirees, and family members.
 - Health Clinic, including Occupational Health Office, provides care to military assigned to Raven Rock Mountain Complex (Site R).



Fort Detrick

Non Medical Organizations



Technology Applications Office



- **A functionally integrated, task force organization designed to provide centralized, lifecycle management, engineering, fielding, and operation of information management programs supporting DA-approved programs.**
- **Provides operational support in identifying, developing, testing, and evaluating emerging technologies for interoperability and integration into information management equipment and systems.**



U.S. Army Information Systems Engineering Command–Fort Detrick Engineering Directorate



Reports to U.S. Army Communications and Electronics Command

Provides engineering, installation and testing of information systems and facilities throughout the Department of Army, as well as other Defense Department agencies.



21st Signal Brigade



- **Moved to Fort Detrick in 1998 under BRAC '95**
- **Provides command, control, communications, computer and visual information systems.**
- **The brigade's subordinate units are the 302d and 114th Signal Battalions and the 55th Signal Company at Fort Meade, Md.**





114th Signal Battalion



- **Subordinate unit of the 21st Signal Brigade**
- **Moved to Fort Detrick in 1998 under BRAC '95**
- **Plans, installs, operates, maintains, and protects command, control, communications, computer and visual information systems in support of the combatant commanders, Alternate Joint Communications Center, DoD, and non-DOD agencies.**



302d Signal Battalion

- **A subordinate unit of the 21st Signal Brigade**
- **Operates and maintains major communication systems that are the backbone of the worldwide Defense Communications System.**
- **Executive Agent for the Detrick Earth Station or “Hot Line to Moscow.”**



Co. A, SATCON BN, US Army Space Command



- **Conducts day-to-day satellite network control actions.**
- **Control functions include satellite monitoring, satellite payload control, computer-aided telecommunications and control of Earth Terminals worldwide.**
- **Serves as a test bed for new equipment testing, enhancements to existing systems and software upgrades for Army Space Command facilities throughout the world.**



Additional Non-Medical Organizations



- **US Army Security Force (USASF)**
 - Conducts physical security, access, and egress control and law enforcement at Raven Rock Mountain Complex (Site R).
- **US Army Research Development Engineering Command – Simulation Training Technology Center**
- **Defense Contract Management Agency (DCMA)**
 - The DCMA provides acquisition and focused logistics support to the United States Armed Forces in peace and war continuously and globally.
- **US Army Corps of Engineers**
 - Track and monitor MCA projects



Joint Reserve Support



- **301st Signal Co, (Cable and Wire) USAR –**
Element of the 99th Regional Support Command located in Oakdale, PA.
- **4th LAR Bn, USMCR –**
Supports the Marine Division in shaping the battlefield and developing the operational situation. The company is tasked with the mission of conducting reconnaissance, security, and limited offensive and delaying operations that exploit mobility and fire power.





Service Organizations

- **Post Exchange (AAFES)**

The Post Exchange operates among a worldwide system of stores providing quality merchandise and services to active-duty military members, retirees, members of the Reserve and National Guard and their families, and generates funds for morale, welfare and recreation activities capital programs that benefit the members of the Armed Forces.

- **Defense Commissary Agency (DeCA)**

DeCA operates a worldwide system of commissaries providing quality groceries at cost plus a five percent surcharge to active-duty military members, retirees, members of the Reserve and National Guard and their families. This valued part of the military's compensation package improves quality of life, aids in retaining qualified people on active duty, helps maintain morale, and fulfills prior commitments made to retirees.



Non-DoD Organizations



National Cancer Institute at Frederick



- The NCI-Frederick conducts research and development activities designed to prevent and cure cancer and AIDS.
- Owns 68 acres of land and 111 buildings internal to Fort Detrick
- Separate law enforcement jurisdiction
- BASOP support primarily provided by USAG





Agricultural Research Service (ARS), and Foreign Disease-Weed Science Research Unit



US Department of Agriculture

Develop fundamental information about foreign plant pathogens that either have potential to damage U.S. crops or have potential beneficial use in biological control of weeds.





Department of Homeland Security



- **U.S. Secret Service**
Liaison with the law enforcement community for Western Maryland, including Camp David.



Supported Off-Post Organizations



- **Raven Rock Mountain Complex (Site R)**
 - Underground relocation site for Joint Chiefs of Staff and senior DoD leadership
 - Fort Detrick Garrison provides base operations support, such as food services, freight, household goods movement, motor pool, laundry, property book, safety (FECA), mail service, transportation, EEO, education, dental and health Care Services, and legal services, except for military justice.
- **Camp David**
 - Fort Detrick Garrison provides base operations support to include:
 - Audio-visual
 - Nontactical vehicle repair
 - GSA vehicles
 - MWR



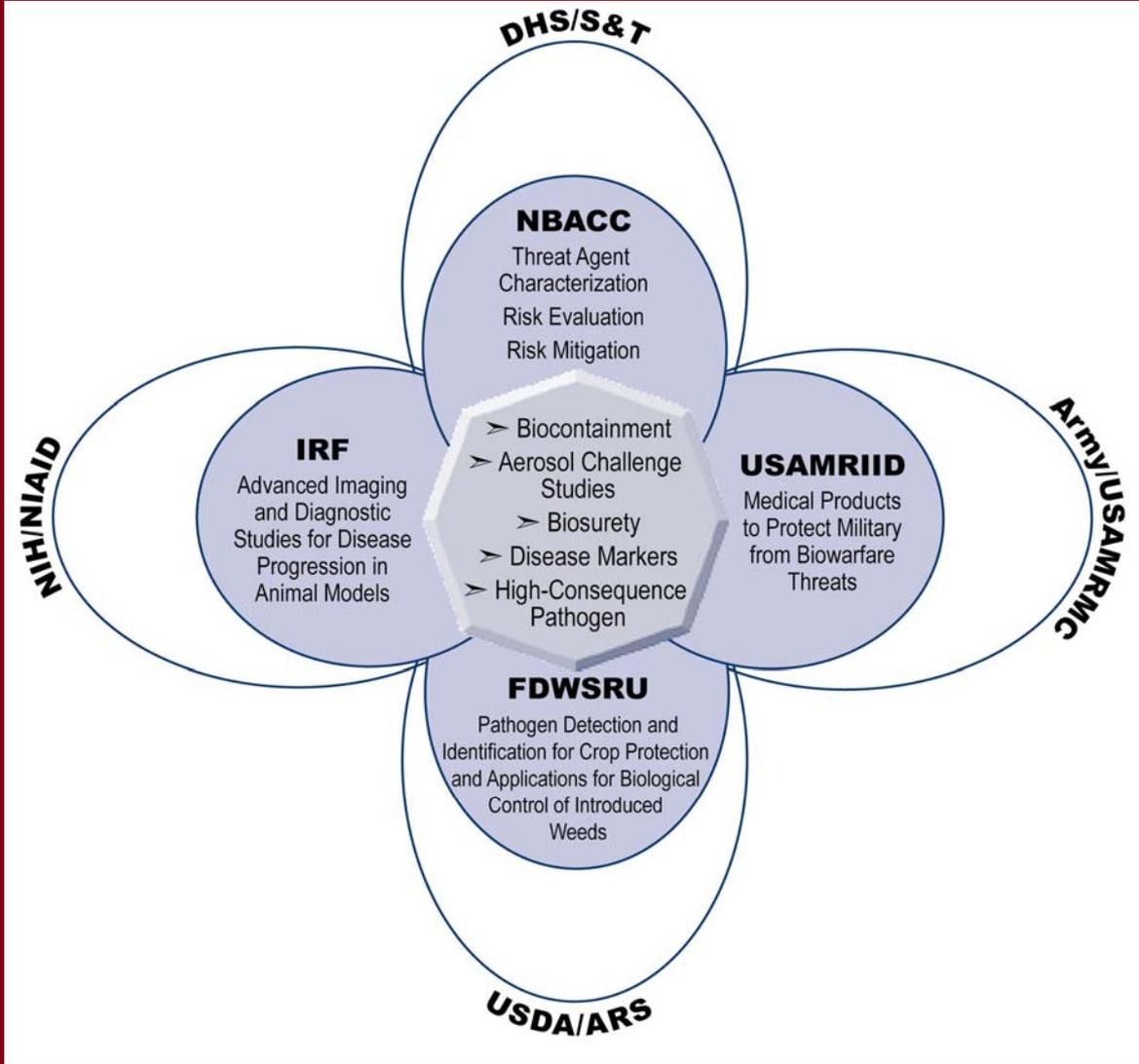
Mission Synergy

Why is Fort Detrick the location for National Interagency Biodefense?

**Joint and Interagency
“Synergy”**



Fort Detrick Research Synergy







Enhanced Public Health and Biodefense Partnerships at Fort Detrick





National Interagency Biodefense Campus Constitution



VISION

To enhance public health research, medical research, and biotechnology development amongst research organizations at Fort Detrick through the establishment of a loose confederation of research organizations who are willing to discuss areas of common interest and, if of benefit to their organization, work in collaboration to coordinate and synchronize scientific interaction in areas of mutual interest

The Surgeon General, U.S. Army; Director, NCI; and Director, NIAID, USDA and DHS are providing partnering leadership and direction



National Interagency Biodefense Campus Constitution



OBJECTIVES

- To establish an understanding and a process for coordinating and synchronizing areas of common interest among the federal agencies involved in medical research and/or biotechnology at Fort Detrick
- To promote federal interagency coordination in facilities planning, technology sharing and sharing of expertise among the signatories
- To minimize duplication of effort, technology, and facilities among the signatories
- To improve the ability of the signatory agencies to produce science, technology, and products faster and better at minimum cost.



Fort Detrick Biodefense Scientific Collaboration



Biodefense Research Areas

- Vaccines
- Therapeutics
- Diagnostics
- Pathogenesis and host response

Harness public health and military scientific expertise to protect the nation



Opportunities & Synergies



- **Coordination of Scientific Studies (Example: Aerosol Challenge Studies in Non-human Primates)**
- **Assembles Critical Mass of Biodefense Scientists**
- **Provides access to local expertise in unique technical support (Example: diagnostics / forensics assay development and validation)**
- **Commonality in Pathogenesis Mission Areas, but different end user needs:**
 - **Pathogen focus for risk assessment – National Biodefense Analysis and Countermeasures Center (NBACC)**
 - **Disease process for basic research – US Department of Agriculture (USDA)**
 - **Disease process for clinical research – National Institute of Allergies and Infectious Diseases (NIAID)**
 - **Medical Countermeasure Product Development - USAMRIID**
- **Shared Culture for biodefense and biocontainment**



Funded Construction



- **National Institute of Allergy and Infectious Diseases (NIAID) – Integrated Research Facility (\$105M)**
 - **NIH, NIAID & USAMRIID Detrick House Report 108-010 (Feb 03)**
 - ...Includes \$105,000,000 for the NIH research building proposed in the budget request to be constructed on Dept. of Army land at Fort Detrick, Maryland



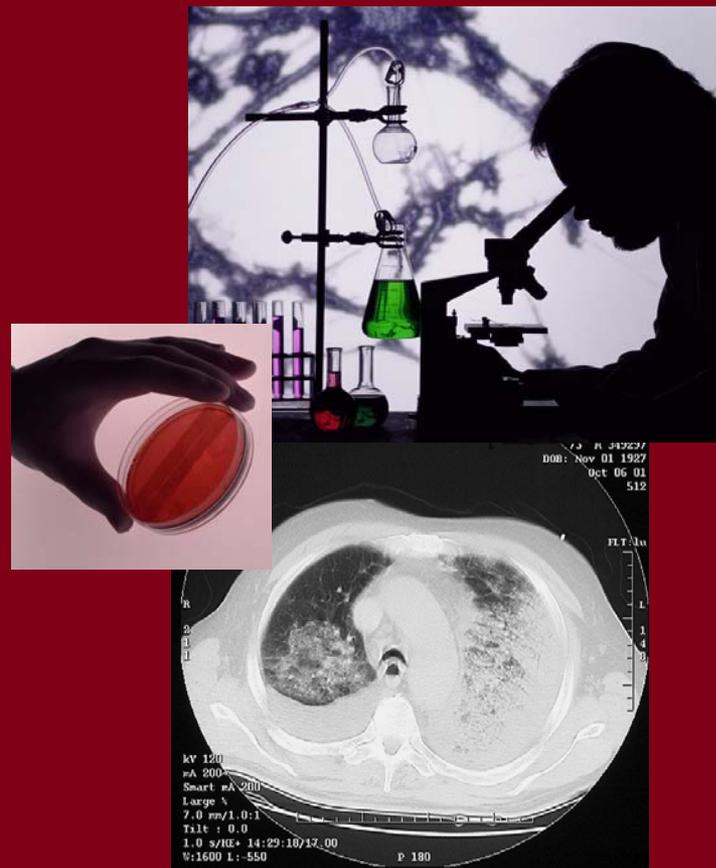
NIAID Integrated Research Facility: Program Description



Pathogenesis & disease process focus

- Host immune status
- Response to vaccines and therapeutics
- Animal models
- Physiologic monitoring
- Imaging technologies

-
- Approx. 120,000 GSF
 - 20% BSL-4
 - Remainder: BSL-2, 4
 - Estimated staff: 100+
 - Estimated occupancy: Mid 2007



Jernigan JA, EID 2001; 7: 933-44



Funded Construction



- **DHS - National Biodefense Analysis and Countermeasures Center (\$120M)**
- **Dept. Homeland Security & USAMRIID**
 - **Senate Report 107-151 (May 02)**
 - \$5.0 million for planning and design ... for a Center for Biological Counterterrorism Research
 - ...intended to take advantage of the world-class scientific and technical expertise at the U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID)



NBACC's Four Centers



NBACC's Research Thrusts

Biodefense Characterization	Biothreat Assessment Support Center Fort Detrick, Maryland		National Bioforensic Analysis Center Fort Detrick, Maryland		Biodefense Knowledge Center Fort Detrick, Maryland
Bioforensics				Plum Island Animal Disease Center Orient Point, New York	
Agricultural Biosecurity					



Congressional Studies With Potential Impact To Fort Detrick



Summary of Congressional Studies



- **USDA / DoD Shared BSL3 Study**
- **USAMRIID Report To Congress**



USDA/DoD Shared BSL-3 Study



USDA / DoD BSL3 Study – House Report 107-532

“...to perform a feasibility study to examine the requirements, detailed cost, critical design features... to establish a shared U.S. Department of Agriculture/U.S. Army Bio Safety Level 3 research facility”

SCHEDULE

- Final report is being drafted.
- Draft will be circulated for comments mid-November.

CONCLUSIONS

- Validates the need for a shared facility.
- Locations evaluated:
 - Penn State University
 - Texas A & M University
 - Cornell University
 - University of Wisconsin
 - University of Georgia
 - Fort Detrick



USAMRIID Report to Congress



USAMRIID Capacity Study – House Report 107-350

“...to finalize the mission of USAMRIID and determine the infrastructure requirements and associated costs needed to accommodate the USAMRIID’s expanded role.”

LEGISLATIVE TIMELINE FOR REPORT

- Report to Congress complete
- DA/DoD Coordination

RECOMMENDATION:

- Two phase recapitalization over 5 years
- Phase 1 - \$585 Million
- Phase 2 - \$360 Million



Gaps in National Biodefense Capacity Bottleneck in Medical Product Evaluation



Research

Development

- Universities
- NIAID
- DOD
- DOE
- DHS
- Industry

Increased Investment in Research

Efficacy Testing

Pharma Industry

Vaccines

Medical Product Evaluation

USAMRIID's strength in T&E will open a critical bottleneck in the R&D pipeline



Mission Synergy

Why is Fort Detrick home to Joint Medical Logistics?

“Joint Synergy”





Integrated Med Log Group



- **Charter signed by The Surgeons General of Army, Navy and Air Force**
- **Develops and sustains joint medical log support systems for operation during peacetime and contingencies**
- **IMLG addresses delivery and sustainment of joint warfighting and peacetime med log capability across continuum of worldwide military health care operations**
- **IMLG Executive Steering Committee – Air Force Medical Logistics Office; Naval Medical Logistics Command; US Army Medical Materiel Agency; and Joint Readiness Clinical Advisory Board**



Integrated Med Log Group



- **Site for Integrated Medical Logistics Group Forums –**
 - Includes reps by other Med Log Org. (outside of Fort Detrick) HQ, DLA, DSCP; Joint Staff, Med; HQ Marines and Pgm Mgr; Army G4, and other Federal agencies as needed.
 - Quad-service Med Log Collaboration, Info Sharing, Strategy Formulations & Execution, and Recommendation for Critical DoD Medical Materiel Resource Allocation.
- **Ideal location for DoD Medical Log Orgs**
 - Detrick centrally located between integrated Medical Log Orgs (between VA/Wash DC and Philadelphia)



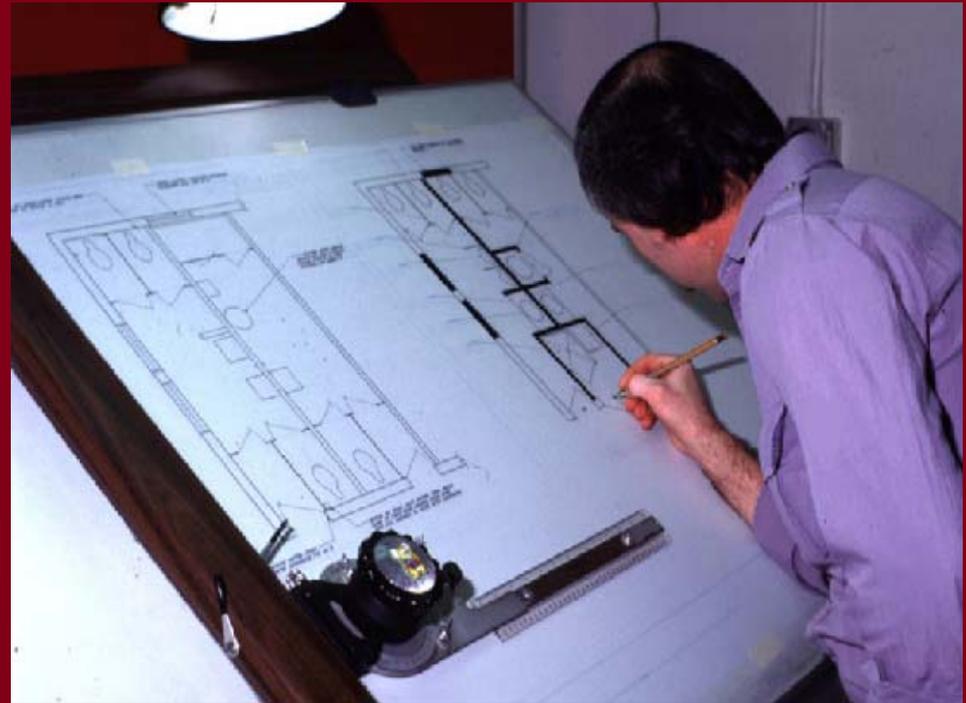
Base Operations Capabilities for Support to DoD and Federal Agencies



Base Operations



- **Morale, Welfare & Recreation**
- **Logistics**
- **Engineering**
- **Housing**
- **Public Safety**
- **Security**
- **Military Personnel**
- **Fire Protection**



Utilities meet mission unique needs



Buildings



- **Laboratories - 577,588 square feet**
 - **Utilization Capacity – 100% or higher**
- **Administration – 354,912 sq. ft.**
 - **Utilization Capacity – Currently have 78% of required square footage**
- **World War II wood – 86,900 sq. ft.**
- **Trailer Space –**
 - **7 trailers**
 - **39,273 sq. ft.**





Utilities

Landfill ...

- State-licensed
- Liner protects groundwater



Current capacity
Current utilization
CY 2015 projection

253,000 cubic yards
28% full
35% full



Utilities



Water Treatment Plant . . .

- **Current capacity - 2 million gallons per day - capacity limited by Maryland withdrawal permit**
- **Current utilization – 70%**
- **CY 2015 projection – 90%**
 - **Connected to City Water for sharing**



Utilities



Waste Water Treatment Plant . . .

- Current capacity – 2 million gallons per day
- Current utilization – 50%
- CY 2015 projection – 70%



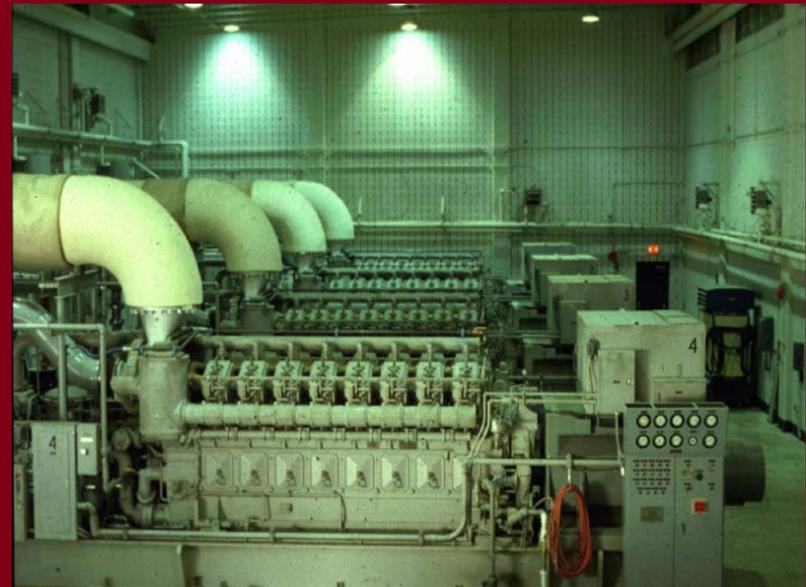


Utilities



Diesel Generators ...

- Current capacity – 4/2.5mw
- Current utilization – 25%
- UPS Battery back-up prior to diesel operating



- Utilities meet mission unique needs of Signal organizations to maintain consistent communications



Utilities



Incinerator . . .

- Meets federal & state regulations
- Medical
 - Current capacity – 2000 lb/hour
 - Current utilization – 50%
 - CY 2015 projection – 60%
- Municipal Waste
 - Current capacity – 4,000 lb/hour
 - Current utilization – 50%
 - CY 2015 projection – 60%





Utilities



Boiler Plant ...

- Current capacity – 400K lb/hour
- Current utilization – 50%
- CY2015 projection – 50%





Utilities

Steam Sterilization System

- Redundant system sterilizes potentially contaminated liquid waste from labs
 - Current capacity – 1.2 mgd
 - Current utilization – 5%
 - CY 2015 projection – 5%





Utilities



Electrical Infrastructure ...

Current capacity – 50 mega watts

Current utilization – 60%

CY 2015 projection – 90%





Utilities Privatization

- **Electrical - No interest to date in the RFP.**
- **Water – No interest to date in RFP**
- **Wastewater - No RFP issued, environmental issue**
- **Gas privatized - Jan. 2001**
- **Solid Waste Exemption received - Oct. 2003**



IM/IT Infrastructure



- **Sized to support current tenants**
- **Reliable, secured, and scaleable allowing flexibility to satisfy future growth**
- **Current DREN (Defense Research Engineering Network), NIPRNET (unclassified) and SIPRNET (classified) connectivity is available on the installation**



Airlift Capability



- Helipad
- Frederick City airport
- BWI/Reagan International/Dulles International – within 1 hour driving time



Health Care Support



Present Configuration

- 4 Physicians; 1 Nurse Practitioner; 6 nursing personnel; 2- 91Ws
- Total Staff for Primary Care - 13
- 9 Exam Rooms; 5 Physicians' offices
- Annual Patient Visits 28,659
- Monthly Patient Visits 2,388
- Daily Surge 221
- Patient Population 6400

Maximum Configuration

- 6 Physicians; 1 Nurse Practitioner; 6 nursing personnel; 2-91Ws
- Total staff - 15
- 9 Exam Rooms, 5 Physicians' offices
- Patient Population 7900





Dental Care Support



Present Configuration

- 2.1 dentists; 2 hygienists
- Total Staff, 10
- 7 Treatment rooms; 2 doctors' offices
- Annual Patient Visits 5290
- Monthly Patient Visits 441
- Daily in/out processing surge 96
(All definitive care suspended)
- Patient Population 1510

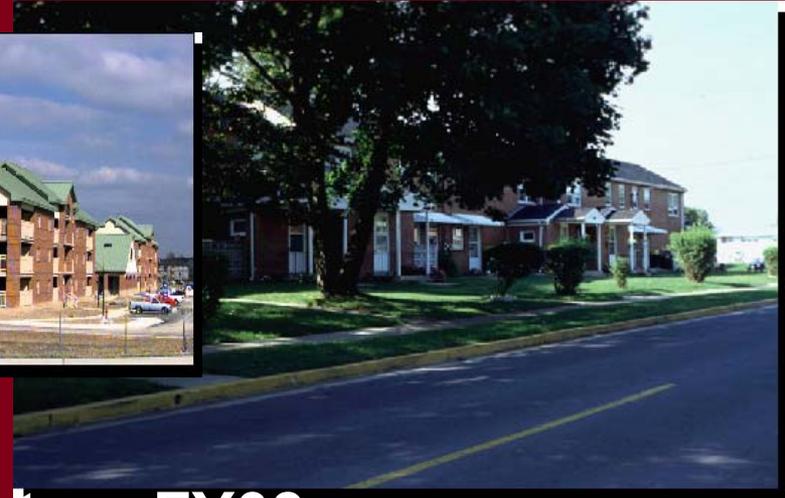
Maximum Configuration

- 3 dentists; 2 hygienists
- Total staff, 12
- 7 treatment rooms; 2 doctor's offices
- Patient Population 2157





Housing



- **Current**
 - 191 family quarters
 - 36 new MCA family quarters FY03
 - 6 barracks – accommodates 274 soldiers
- **Future**
 - 163 RCI family quarters
 - FY04 - 2 new barracks buildings & dining facility
 - All Barracks will be 1 plus 1



Residential Communities Initiative (RCI)



Vision

Quality residential communities
for Army families

Objectives

- 163 Additional Units
- Sustain adequate housing
- Leverage assets / scarce fund

Project Awarded- GMH Military Housing
Joint Project with Walter Reed Army
Medical Center

Transfer of Housing to GMH – June
2004

Groundbreaking – Summer/Fall 2004





Environmental Stewardship



Environment



Stewardship



- Environmental Restoration
- Active Restoration Advisory Board
- Partnership with Federal, State and Army Environmental Offices



Land Use Restrictions at Fort Detrick



- **Wetlands** **13 acres**
- **Forestation (active)** **79 acres**
- **Forestation (active & reserved)** **193 acres**
- **Landfill (active)** **60 acres**
- **Landfill (active & reserved)** **297 acres**
- **Restoration (land use controls)** **35 acres**
(Projection, includes 5 acres of mature forest)



Restoration Program at Fort Detrick



- **Area A (main post):**
 - 27 Sites (26 no further action, 1 remedial action operations/long term monitoring)
 - 100% response complete in FY01 (Actual)
- **Area B:**
 - 12 Sites (all currently open)
 - Projection: 6 no further action, 6 risk assessment code/remedial action/long term monitoring
 - Projection: 100% response complete in FY08



Restoration Program at Fort Detrick



- **Area C (Water and Waste Water Treatment facilities):**
 - 1 Site (currently open)
 - Projection: Land use control/long term monitoring
 - Projection: 100% response complete in FY05
- **Cost to Date**
 - \$ 35.7 M to date (FY93 – FY03)
 - \$ 26.4 M estimated cost to complete (FY04 - FY28)



Environmental Update

Area B-11 Removal Project



- Safety is our #1 focus!
 - No lost time accidents (1,113 days)
 - Daily sampling confirms an absence of releases
- Pit 1 - Completed 21 Mar 2003
 - 2005 tons of contaminated soil & waste removed
- Pit 2 - Completed 11 June 2003
- Pit 3 - Completed 1 Aug 2003
- Pit 4 - Excavation completed Dec 2003
 - Site restoration: Jan – Feb 2004



Pit 1

Total of 3500 tons of contaminated waste/soil removed



Environment

Environmental Liabilities

- **Short Term:**
 - **Radioactive Sludge Issue at Waste Water Treatment Plant – working with NRC to decommission**
 - **Off-Post Chlorinated Solvent Contamination at Area B**
- **Long Term:**
 - **Waste in place at Permitted Sanitary Landfill at Area B**
 - **Waste in place at Installation Restoration Program sites at Areas B & C**



Force Protection and Public Safety



Force Protection Police



Current Capabilities:

- Installation access control contract guard capabilities (37 personnel)
- Fully trained and qualified Department of the Army police force (50 personnel)
- Fully equipped 18 member rapid response Special Reaction Team
- Proactive intelligence gathering capabilities through local, state, and federal officials and installation personnel



Force Protection Fire and Emergency Services



Current Capabilities:

- Full-service hazardous material response capabilities to include all three modern WMD response vehicle/equipment
- HAZMAT first responders for the county. All personnel trained in WMD
- Bi-monthly training events conducted with local emergency response personnel.
- Ongoing relationship with local/state/federal WMD response planning
- Well exercised and networked with county, state and federal emergency service(s) agencies.
- Mutual Aid agreement with County



Force Protection

Projected Capabilities:

- **\$5 million interior/perimeter access control improvement project to include complete renovation of main gate entrance – FY03**
- **\$1.5 million enhanced intrusion detection/access control system (ICIDS III) installation with fiber-optic connectivity (equipment) – FY04**
- **Improved WMD response vehicle capability (summer 2004).**
- **SRT Team will be equipped with a Command and Control vehicle (summer 2004).**
- **\$6 million dollar remote truck inspection facility with gamma ray technology – FY09**
- **\$8.1 million Emergency Service Center with state-of-the-art communications capabilities – FY TBD**



Quality of Life

"Support for the Military Family"



Quality of Life

- **Community Activities Center**
includes the SportsFunatic (snack bar) and TicketFunatic
- **Auto Service Center**
- **Auto Skills Center**
- **Equipment Issue Center**
- **Carwash**
- **Multi-Crafts Center**
includes the Matting and Framing Center and Woodcrafts Center
- **Fort Detrick Bowling Center**
- **CPT Jennifer J. Shafer Odom Fitness Center**
includes the Fort Detrick Outdoor Swimming Pool and H.O.T. Dome



Quality of Life

- **NCI Cafe**
- **Cafe Too!**
- **Housing Office**
- **Child Development Center**
- **Youth Services Sky Dome**
- **Child and Youth Services Welcome Center**
- **Detrick Center for Training and Education Excellence (DCTEE)**
- **Fort Detrick Library**
- **Army Substance Abuse Program**
- **Army Community Service, includes Exceptional Family Member Program, Volunteer Program, Financial Readiness Program, Employment and Transition, Outreach Program, Relocation Readiness Program, Lending Closet, and Family Advocacy Program**



Child and Youth Services



Space capacity per each CYS facility:

• Child Development Services (infant through Kindergarten)	134
• Family Child Care (infant through 12 years)	108
• School Ages Services (first through fifth grade)	108
• Middle School Program (sixth through eighth grade)	45
• Teen Program (ninth through 12 grade)	27
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Total Child and Youth Capacity **422**



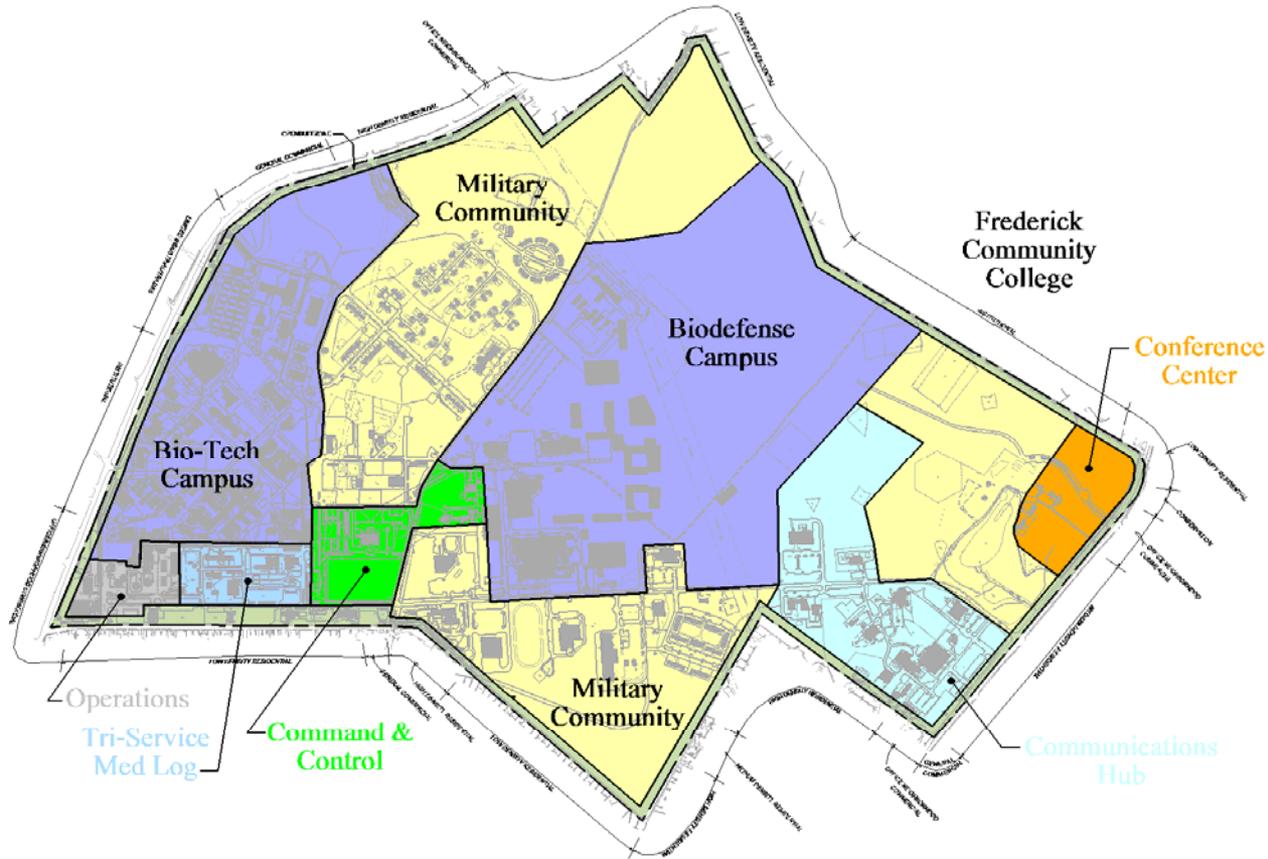
- CDS received National certification
- At present, all facility spaces are full.
- The Family Child Care Program has six homes operating and one ready to open.



Fort Detrick Master Plan

- Area A – Main Post
- Area B
- Area C - (Water and Waste Water Treatment Plants)

Fort Detrick Master Plan - Area A





Land Usage – Area A



- **Archeological Sites –**
 - **1 National Register Eligible Site (Nallin site)**
 - **1 Non-National Register Eligible Site (Wide Pastures)**
 - **Sites are being protected with only slight limitation to future use/construction**
- **Buildings –**
 - **4 Buildings on National Register (Nallin Farm House, Bank Barn and Spring House, “Eight Ball”)**
 - **8 Buildings deemed culturally significant (Cold War Association)**



Land Usage – Area A

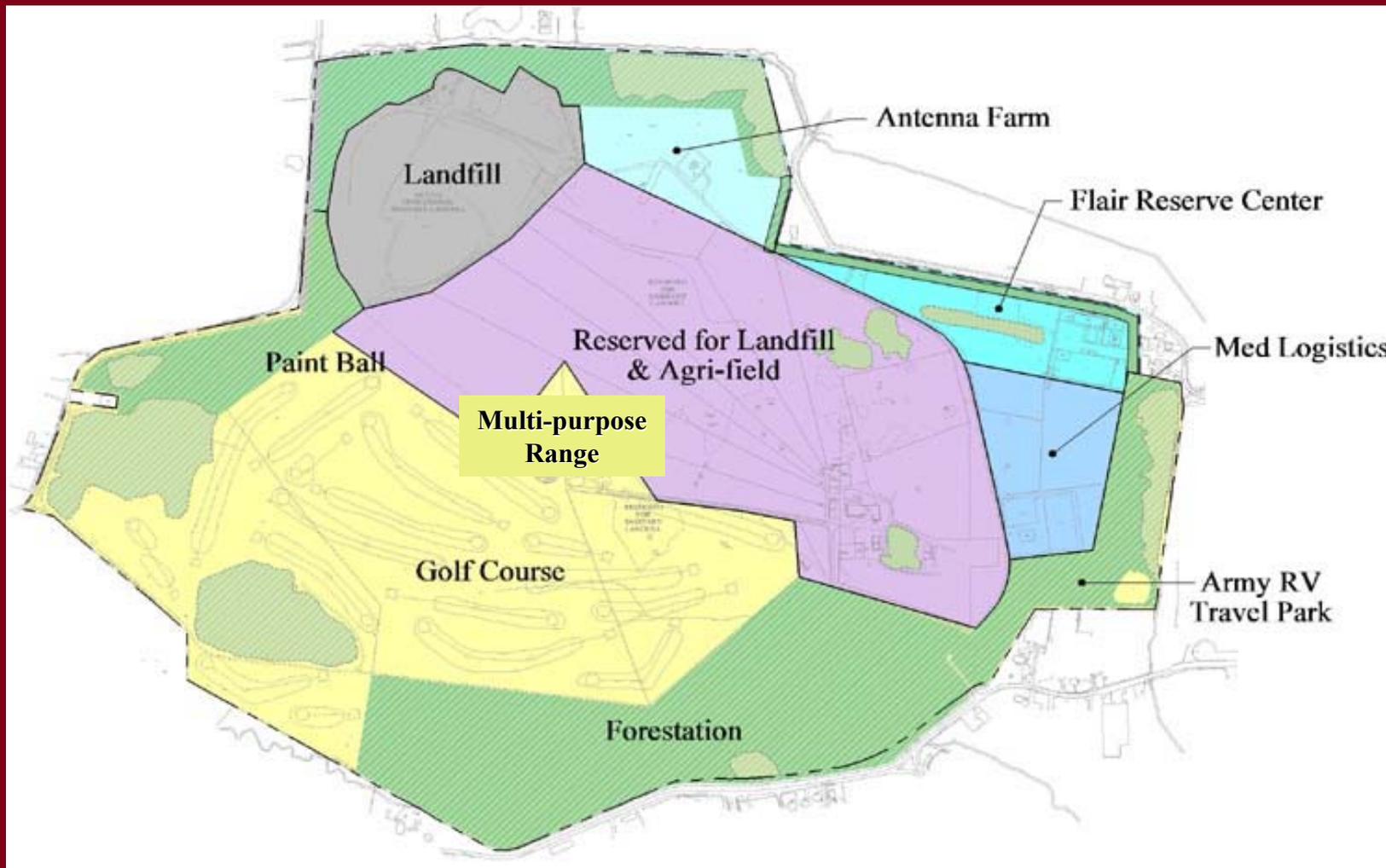
Total Acres - 728



- **Land (buildable acres) - 79**
- **Land Use Restriction - .3 acres (lead contamination at water towers), 4 acres wetlands**
- **Non-programmed Projects**
 - **Compatible Type of Tenants – Similar Strategic Missions**
 - **Minimal Impact - Traffic**
 - **Major Impact -**
 - **Water**
 - **Working with County and City on new Potomac pipeline**



Area B – Master Plan





Land Usage - Area B



Total – 399 Acres

- **Land (buildable acres) - 9 acres (not already zoned for use)**
- **Land Use Restriction –**
 - **297 Acres reserved for landfill/**
 - **25 acres anticipated Land Use Controls for Installation Restoration Program sites/acres wetlands**
- **Cultural issues – none**
- **Non-programmed Projects**
 - **Compatible Type of Tenants – Strategic Communications**
 - **Minimal Impact - Traffic**
 - **Major Impact – Utilities**



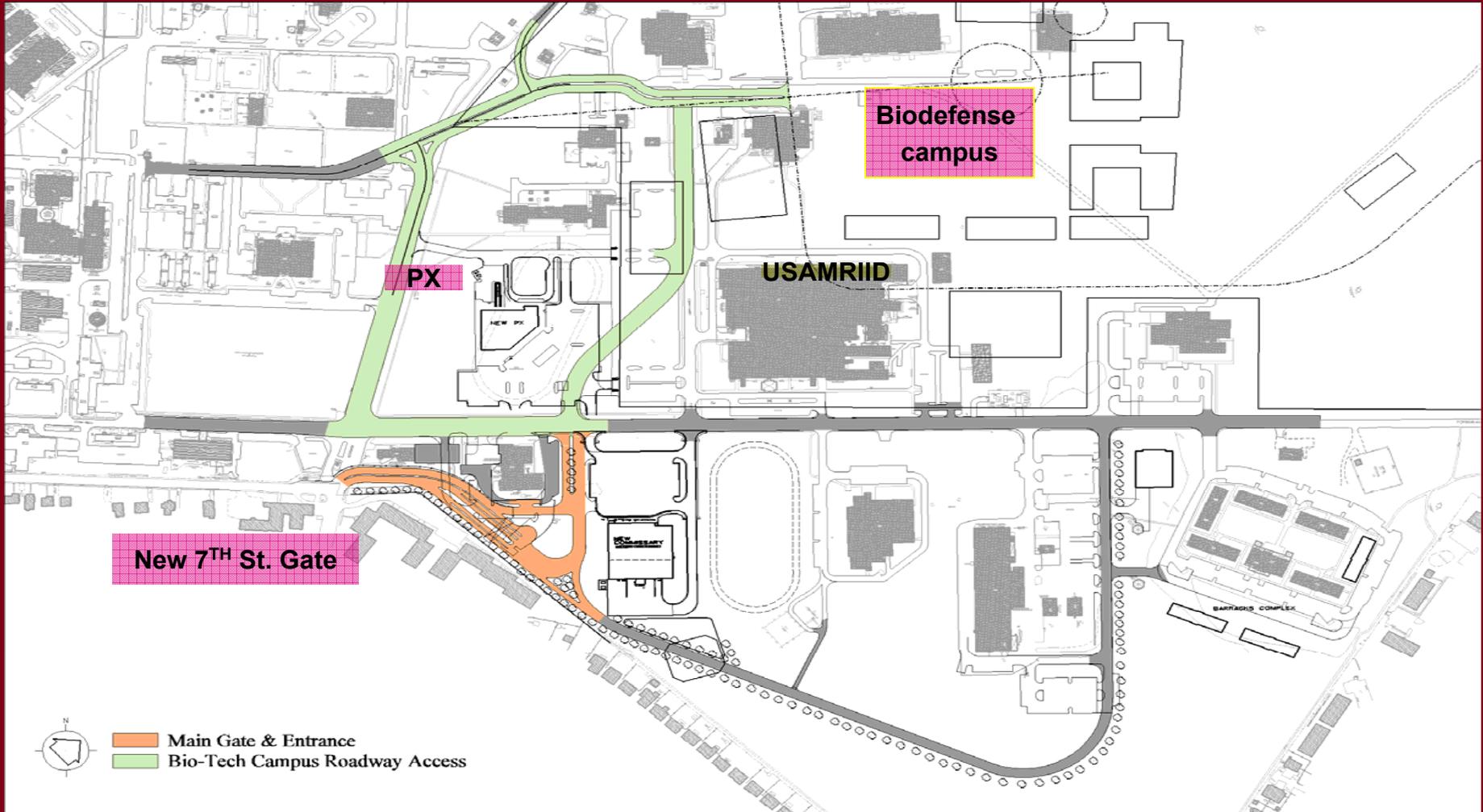
Construction Projects



- **New Visitors' Gate \$3M – construction Spring 04**
- **Residential Communities Initiative – 163 units (transfer to GMH Partner June '04)**
- **New PX Mini-Mall \$4.48M – construction on-going**
- **New Commissary \$6.1M – construction FY04**
- **New Barracks/Dining Facility/6MLMC HQs \$16M – construction FY04**
- **Indoor Pool \$735K construction FY04**
- **Community Support Center (One-stop) \$3.7M construction on-going**
- **Proposed Conference Center and Hotel – Private/Public Venture**



New Visitors' Entrance





Future MILCON

Installation Requirements

FYDP

SF(K)

Costs

• Lab Sewerage Treatment	DODM FY06	24.1	16.3
• Research Operation Ctr	FY07 PRB	94	15.5
• Satellite Facility	FY07 PRB	33.7	22.0
• General Admin (RA/DA)	FY09	33.4	13.1
• Remote Truck Inspection	FY09	7.8	6.5
• Defense Satellite Comm Ctr	FY08	28	30.0



Proposed MILCON



Installation Requirements

FYDP

SF(K)

Costs

• New USAMRIID		1106	945.0
• Joint Medical Logistic Ctr		117.5	29.0
• Community Spt Ctr (phase 2)		52.8	14.5
• School Age Services Ctr		13.9	3.5
• Chapel Complex		22.6	6.0
• Barracks		17.6	4.9



Proposed MILCON

<u>Installation Requirements</u>	<u>FYDP</u>	<u>SF(K)</u>	<u>Costs</u>
• Child Development Ctr		10.3	3.5
• Nallin Farm Gate		-----	5.5
• Central Utilities Plant/Water Storage		27.8	45.0
• Water Main Upgrade		-----	6.8
• Central Engineering Complex		120	35.0
• Infrastructure Improvements (Biocampus)		-----	23.0
• Emergency Services Center		23.4	8.1
• Joint Reserve Center		38.7	9.0



What is impact on Local Community?



Economic Impact



- **6,924 workforce**
 - **\$500M to local economy**
-



- **Community volunteers**
- **Adjunct faculty**
- **“Seed” for developing bio-tech companies**
- **County set up business incubator because of Fort Detrick**



Command Philosophy



- **Part of Frederick/Frederick County Community**
- **Good Neighbor Rule in effect**
- **Open Communications**
 - **Environmental Restoration Advisory Board**
 - **Community Liaison Council**
 - **Speaking Engagements**
- **Partnership with Colleges and Board of Education**





Community Relations



- **Encroachment – surrounded by community development; missions compatible with local economic development goals**
- **Quality of Life – Community accepts military and families; no issues with interaction**
- **Deliberate participation in community events**



Community Relations Frederick Mayor



- **Comment in local newspaper**
... because Fort Detrick has handled dangerous germs since World War II, most neighbors are not worried about possible expansion, said Frederick Mayor Jennifer P. Dougherty, who supports the plan.
- **Quote in local newspaper**
... "As long as Fort Detrick continues to be as proactive as it has been in the community and with its neighbors, I don't anticipate any issues," she said.



Questions?

