

The Army Base Study Group (TABs)

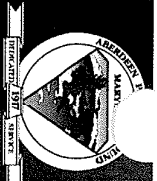


**COLONEL MARDI U. MARK,
COMMANDER
U.S. ARMY GARRISON APG**

**JUDITH A. WETTIG,
PROJECT OFFICER
U.S. ARMY ABERDEEN
TEST CENTER**

**26 FEBRUARY
2004**

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Aberdeen Proving Ground

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- Introduction
 - Mission Cross-section
 - Command Structure
 - Installation Structure / Synergy
 - Workforce Demographics
 - Real Estate Attributes
 - Installation Force Protection
- Infrastructure
 - Buildings
 - Facility Investments
 - Utility Distribution
 - Computing Capacity
- Installation Profile
 - Synergy
 - Tenant Descriptions
- Land Combat Range Utilization
 - Joint Warfighter Range Complex
 - Firepower Complex

AGENDA

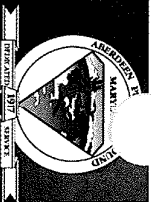


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AGENDA

- Synergy
 - Military Initiatives
 - Global War on Terrorism / Homeland Defense
 - Community
- Environmental Impact
 - Pertinent Topics
 - Permits
 - Engineered Successes
- Economic Impact
- Quality of Life
 - Community Involvement
 - Resident
- Summary
- Next Steps



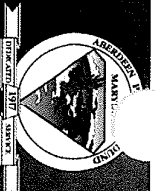
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MISSION

DOD's Center of Excellence for Land Combat Systems supporting the Nation through efforts of 65 highly integrated resident organizations engaged in Research, Development and Engineering; Test, Evaluation and Analysis; Operations and Training on Land and Sea Systems, Warfighter Systems, Chemical and Biological Defense, and Homeland Security.

DOD's Center of Excellence for Land Combat Systems- Vehicles, Soldier Systems, Chem Bio



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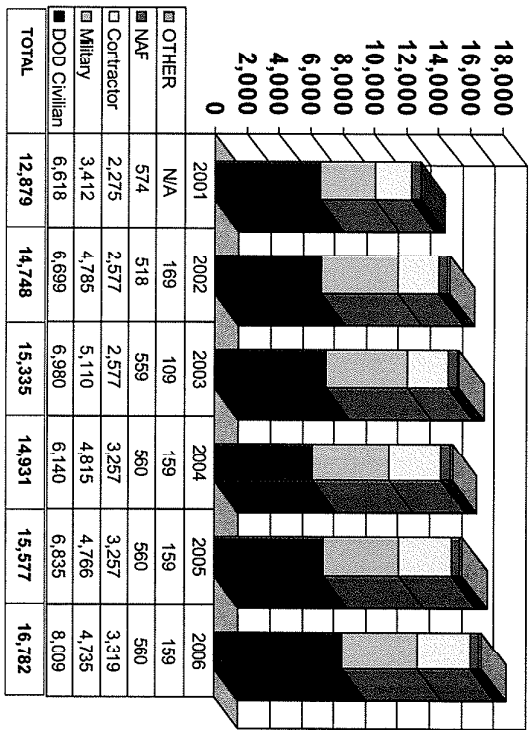
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INSTALLATION STRUCTURE

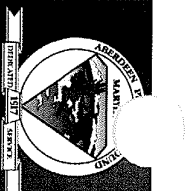


Tenants and Supported Activities

Tenants	65
Satellites	20
Private Organizations	17
Total	102



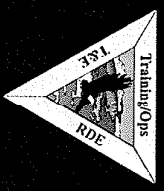
Actual As Of 03	
Military	5,110
DOD Civilian	6,980
NAF	559
Contractors	2,577
Other	109
Dependents of Active Duty	5,824
Auth Dep of Reserve Compo	3,720
Retirees/Family Members	<u>21,471</u>
Total	46,350



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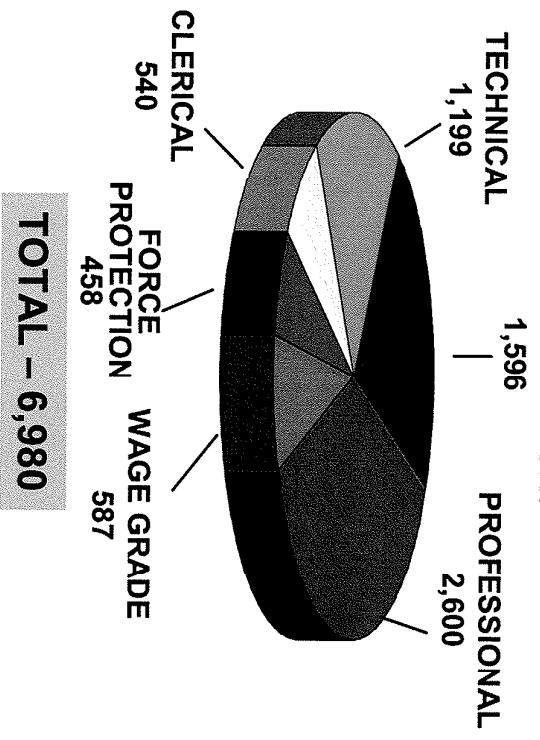
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WORKFORCE DEMOGRAPHICS

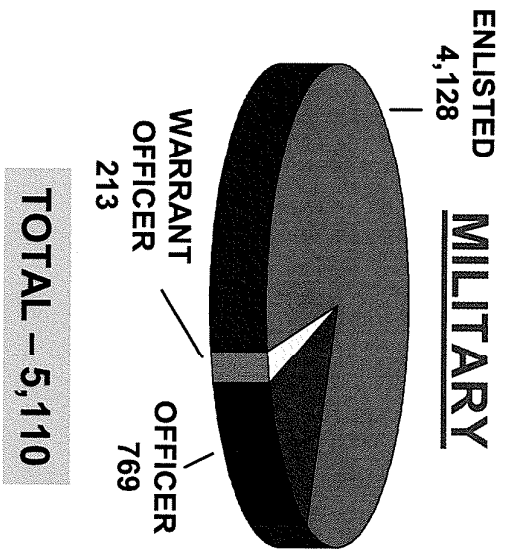


DOD CIVILIAN

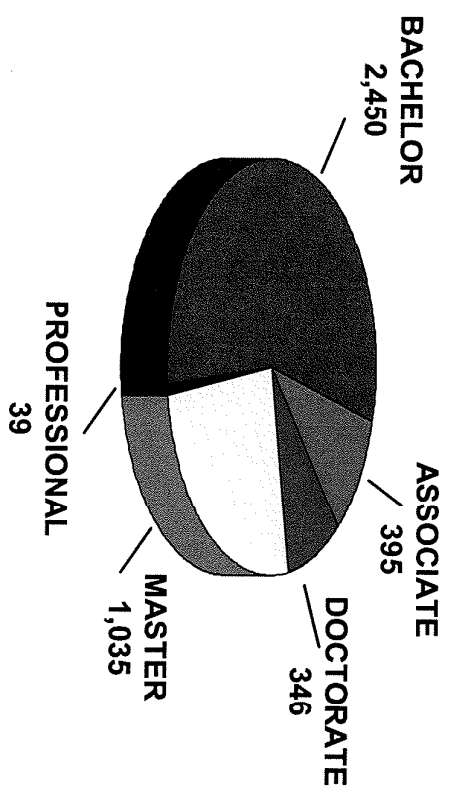
PROGRAM SUPPORT



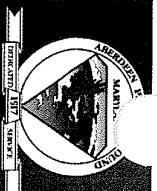
MILITARY



- Intellectual Capital sustains technological superiority
 - 47% workforce have advanced degrees
 - Cooperative programs offer complement growth opportunities through outreach
- | | | |
|------------------------------------|-----------------------|------------------|
| Science & Math Academy Sponsorship | HEAT Center Alignment | Fellows Programs |
| Engineering Universities | Research Universities | |



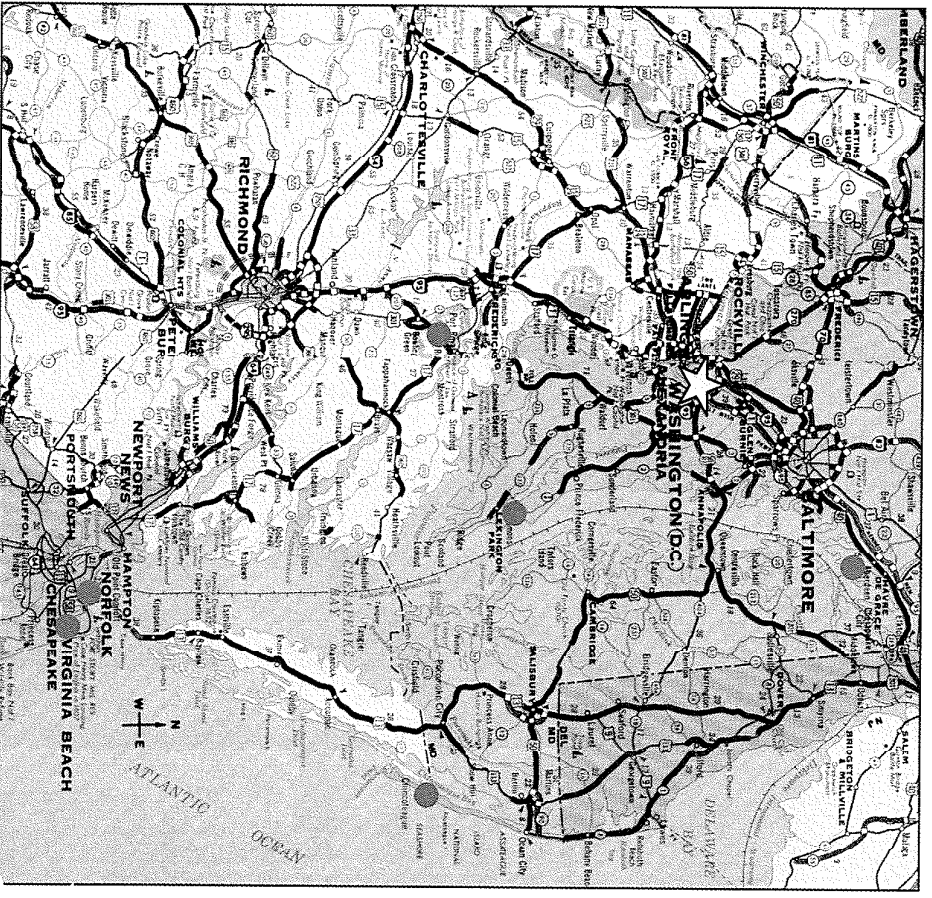
- 4- General Officers
- 15- Senior Executive Service
- 7- Scientific Technical



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REAL ESTATE ATTRIBUTES

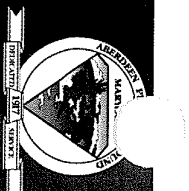


- NAV/AIR Patuxent River
- Fort AP Hill
- NAVSEA CDSA Dam Neck
- US Atlantic Fleet
- NASA / Wallops
- MD NG Chestertown, MD
- Aberdeen Test Center

Charter member to Chesapeake Regional Range Complex

- 90 miles to Nation's Capital
- MRTFB – DOD / OSD Premier Asset
- Power Support Platform
- 72K acres (35K acres of Land-Cantonment / Test Ranges, 37K acres of Water-Test Ranges / Buffer Zones)
- Immediate Buildable Acreage –
 - 4,700 Admin / Research / Tech
 - 400 Range
- Airspace – Restricted / Controlled/ Indefinite Area / Proprietary options
- Water – Restricted / Controlled – Depths from 2-18 feet

- Centers of Excellence
- DOD – Direct Fire Weapons
 - DOD – Land Combat
 - DOD – High Performance Computing
 - DOD – Chem-Bio Defense
 - DOD – Institute for Collaborative Computing
 - Johns Hopkins Center for Excellence in
 - Biotechnology
 - Army - Live Fire
 - Army – Materials

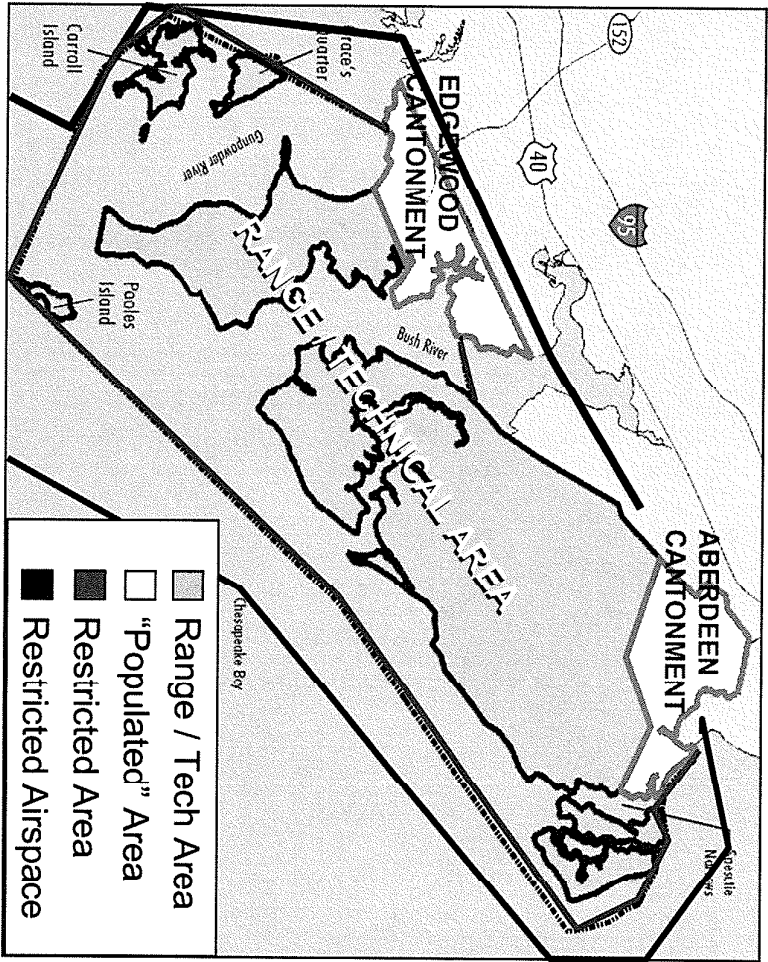


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"Defense in Depth"

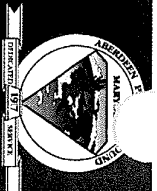
24/7 Range Control Operations includes maritime fleet, airfield / range towers, and satellites



INSTALLATION FORCE PROTECTION

Installation has Nuclear, Chemical and Biological surety mission and remains at FPCCON Charlie with FPCCON Delta at sensitive sites

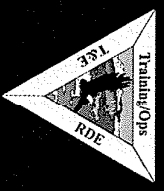
- ✓ Begins beyond installation boundaries
 - All Federal Force - conversion of military to civilian law enforcement (active patrol force- police and security guards)
 - Law enforcement patrols of APG waters
 - Visible, proactive and productive RAMP program at gates
 - Technology tool emplacement at access control points
 - Security forces on site at critical facilities



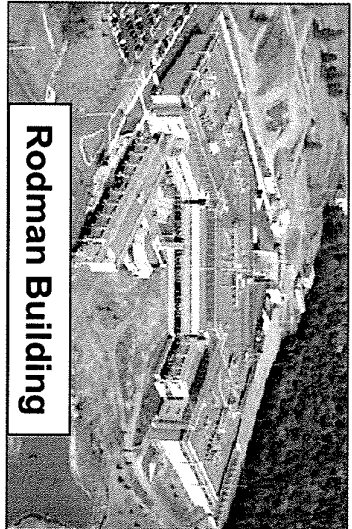
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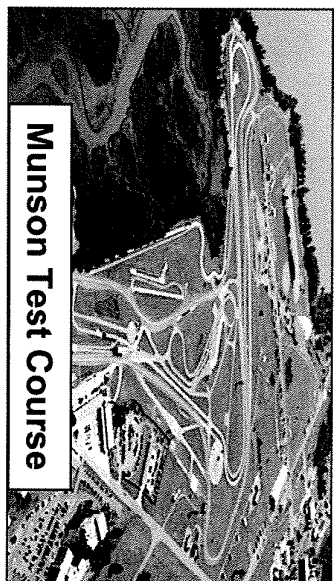
INFRASTRUCTURE Buildings / Specialty Areas



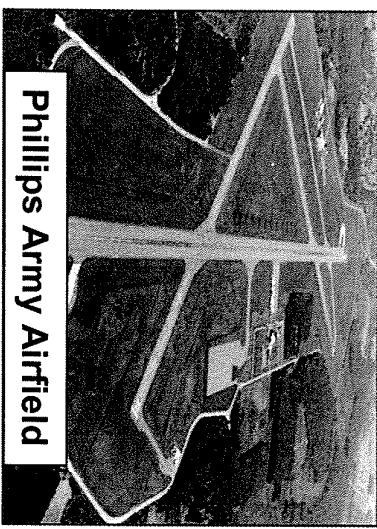
- 14.7 Million Square Feet Of Building Space
 - Office/Administrative 2.5 Mil SF
 - Laboratories 1.6 Mil SF
 - Training Facilities 1.4 Mil SF
 - Warehouses 2.7 Mil SF
 - Community Centers 0.7 Mil SF
 - Barracks & Family Housing 3.1 Mil SF
 - Other Facilities 2.7 Mil SF
 - ◆ 1.3 Million Square Feet Of Demolition In Fy 04-08
- Experimental & Test Facilities
 - 42 Miles of Automotive Test Track (MIL-STD / ITOP)
 - 196 Firing Positions
- Major Laboratory Buildings
 - Supercomputing Center
 - 8 Medical Research
 - 10 Chemical & Biological
 - 2 Physics
 - 5 Human Engineering
 - 1 Materiel Research
- Airfields
 - Weide Army Aviation Support Activity, EA (Fixed / Rotary Wing)
 - Phillips Army Airfield, AA (Fixed / Rotary Wing)



Rodman Building



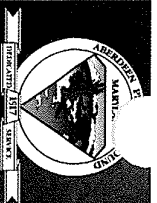
Munson Test Course



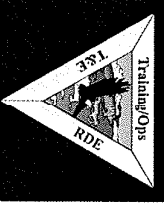
Phillips Army Airfield

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INFRASTRUCTURE *Facility Investments*

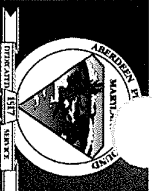


Recent Facility Construction

- Rodman Building (BRAC 95 - \$78M)
- Advanced Chemistry Laboratory (MCA)
- McNamara Life Sciences Laboratory (MCA)
- C-Field Range Area (Navy MILCON)
- Climatic Firing Facility (MCA)
- Roadway Simulator (Congressional Plus-up)
- Aberdeen Chemical Agent Disposal Facility (MCA)
- National Ground Intelligence Center Ammunition Facility (MCA)
- Soldier Systems Range Complex (PM Soldier Systems - Increment 1)
- Soldier One Stop Support Center (SRM)
- CPOCMA Complex (SRM)
- Edgewood Area Troop Store (AAFEES/SRM)
- Barracks Renovation (MCA – \$7.5M)
- School Street Housing (MCA – \$1.1M)
- UNDEX Pond (MCA – Navy \$37M)

Planned Facility Construction

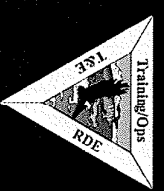
- CBRSRF (ECBC) (FYDP 06)
- Information Science & Supercomputing Facility (ARL) (FYDP 07)
- Power Generation Equipment Training Facility (OMMS) (FYDP 08)
- Ammunition Operations Facility (GAPG) (FYDP 09)
- Automotive Technology Evaluation Facility (ATC) (FYDP 08)
- AEC Headquarters (AEC) (FYDP 07)
- New Campus Phase I (CHPPM) (MEDCOM FYDP 07)
- Analytical Chemistry Wing (ECBC) (FYDP 07)
- General Instruction Facility (GAPG) (FYDP 08)
- Track Vehicle Training Facility (OMMS)
- Future Force Range Operations Control Center (ATC)
- USATA Secondary Reference Calibration Lab (TMDE)
- Center for Anti-Terrorism & Security Trng (State Dept)



Aberdeen Proving Ground

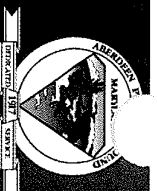
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INFRASTRUCTURE *Utility Distribution*



Utility	Distribution	Capacity	Current Load	Available
Electric AA EA	669 Miles	40.0 MW ^a 30 MW ^a	30.0 MW ^a 10.0 MW ^a	10.0 MW 20.0 MW
Water AA EA	194 Miles	4.0M Gals/day 4.0M Gals/day	1.0M 1.0M	3.0M 2.8M
Sewage AA EA	116 Miles	4.2M Gals/day 3.0M Gals/day	.84M 1.0	3.36M 2.0M
Steam EA – NMWDA	Miles	72K Lbs per/hr	69K Lbs per/hr	3K Lbs
Natural Gas AA EA	27 Miles	700KCFH 211KCFH	210KCFH 70KCFH	490KCFH 141KCFH
Land Line Phones^b AA EA	402 Miles Copper Fiber	36,065 users 36,065 users	30,450 users 9,350 users	25,615 users 26,715 users
Land Mobile Radio	throughout	4,500	2,897	1,603
FM video / telemetry	HPG wide	4 freq	85%	15%*
Cellular Phones	throughout	Unlimited	1,350 ^d	N/A

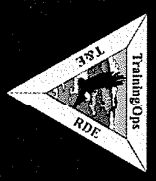
- a) Based on weather conditions and operational redundancy
- b) Also includes STU / STE capabilities throughout:
- c) Available capacity imported with loss of 1 frequency in 08 to 75% of current capability & -10% current load (required capacity)
- d) Current uses through managed 8 year contract. Customized plan offers reduced rates, 5 digit dialing and DSN service



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INFRASTRUCTURE Computing Capacity



Network

- Defense Research & Engineering Network (DREN)
 - Total Capacity = 155 MB → 2.5 GB
 - Current Use = 75% (estimated)
- Classified Network (SIPPRNet)
 - Total Capacity = 5 MB
 - Current Use = 10%
- Unclassified Network (NIPPRNet)
 - Total Capacity = 30 MB (AA=15 MB / EA=15 MB)
 - Current Use = 80% at Gateway / 10% internally

Fiber Optic Network Backbone - Supporting High Speed Medium Data Acquisition / Transfer

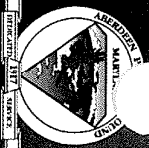
Server

- Common Servers (Mail, File, Print, App)
 - Total Capacity = Exp. to 30,000 users
 - Current Use = 6,000 users
- UNIX Servers
 - Total Capacity = 400 users
 - Current Use = 214 users

- Main Frame
 - Total Capacity = 117 MIPS
 - Current Use = 54 MIPS (46%)

MSRC = High Performance Computing, Modeling / Simulation, analysis, transfer, archiving

ARL MSRC currently has 9.12 Teraflops Increasing to 36 Teraflops in 2004



INSTALLATION PROFILE

Synergy

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Army Research Lab
Edgewood Chemical & Biological Center
Army Medical Research Institute of Chemical Defense

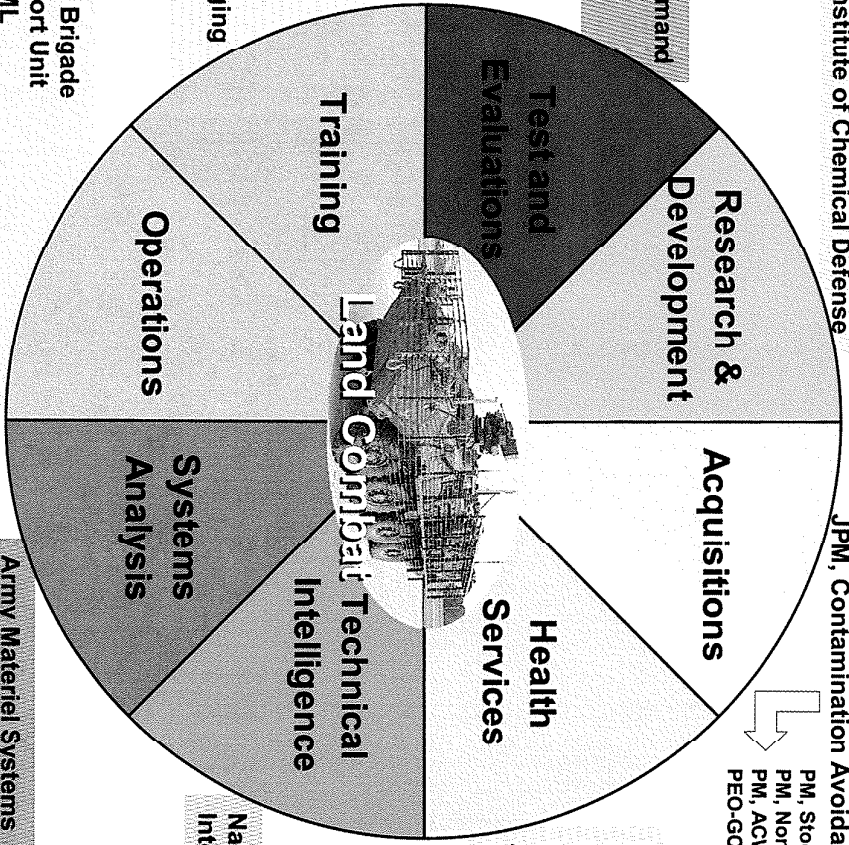
Robert Morris Acquisition Center
Army Contracting Agency
JPM, Contamination Avoidance

PM, Stockpile Chem Munitions
PM, Non-Stockpile Chem Munitions
PM, ACWA
PEO-GCSS

Developmental Test Command
Aberdeen Test Center
Army Evaluation Center

Army Ordnance Center & School
Ordnance Mechanical Maintenance School
School Of Military Packaging Technology

Guardian Brigade
Tech Escort Unit
520th TAML
203rd Military Intelligence Battalion
MD Army National Guard
Chemical Materiel Agency

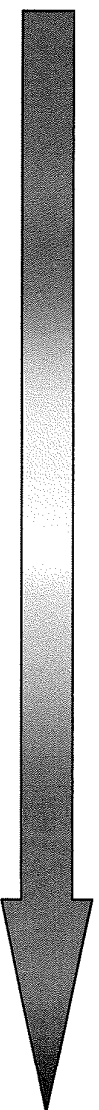


U.S. Army Center for Health Promotion and Preventive Medicine
Kirk U.S. Army Health Clinic
Army Environmental Center
Dental Activity

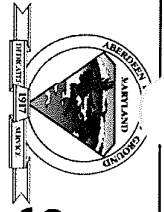
National Ground Intelligence Center

Army Materiel Systems Analysis Activity

RDT&E

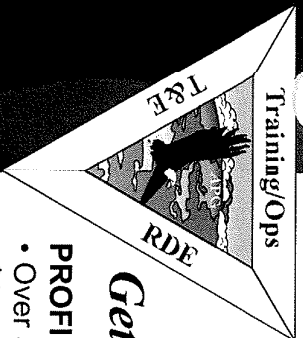


FIELDING



APG SYNERGY

	R D E C	A R L	E C B C	G B I C D	M R I C D	C M A	L T C	A T C	A E V A I C	A M S A A	C H P P M	A E N V C	520th TAML	N C P O C	O M M S	M D N a t G r d	K i r k	N G I C	J P h ... B C C A	P E O G C S S
Research, Development & Engineering Command		•	•	•	•	•	•	•	•	•	•	•	•				•		•	•
Research Laboratory	•		•				•	•	•	•	•	•				•	•	•		•
Edgewood Chemical Biological Center	•	•	•	•	•												•		•	•
Guardian Brigade			•			•											•			
Medical Research Institute of Chemical Defense			•	•			•						•				•			
Chemical Materials Agency			•							•	•						•			•
Developmental Test Command		•	•				•	•	•	•	•						•			•
Aberdeen Test Center	•	•	•	•			•	•	•	•	•						•	•		•
Evaluation Center							•	•									•			
Material Systems Analysis Activity	•	•				•	•	•	•								•			
Center for Health Promotion & Preventative Medicine		•	•	•	•	•	•	•					•				•			
Environmental Center		•					•	•									•			
520th Theater Army Medical Laboratory				•											•		•			
Northeast Civilian Personnel Operations Center	•	•	•	•	•	•	•	•	•	•	•	•	•				•	•	•	•
Ordnance Mechanical Maintenance School		•		•			•	•	•	•	•						•			
Maryland National Guard												•					•			
Kirk US Army Health Clinic	•	•	•	•	•	•	•	•	•	•	•	•	•				•	•	•	•
National Ground Intelligence Center																	•			
Joint Project Manager Nuclear Biological Chemical Contamination Avoidance	•		•	•			•	•									•			
PEO Ground Combat Soldier Systems								•									•			



US Army Research, Development & Engineering Command

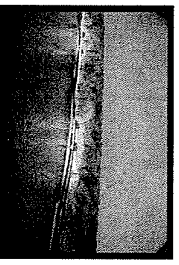
Get the right technologies in the hands of Warfighters quicker



Objective Force Warrior



Strike (Exploit FCS Netted Fires)



Sensor Enhancement

- PROFILE:**
- Over 30K Military, Civilians, and Direct Contractors
 - \$3.5 B Annual Budget
 - 75% of Army Science and Technology Objectives
 - All Army Advanced Technology Demonstrations (ATDs)
 - 6 of 13 Advanced Concept Technology Demonstrations (ACTDs)
 - 20 FCTs & 7 DACPs Totaling \$23.8 Million with 13 different Countries
- ROLE:**
- Technology Out of the Laboratories and into the Hands of Warfighters in the Shortest Time

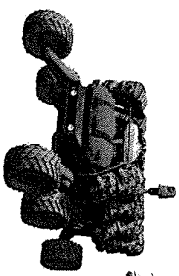
Direct Support of the Tech Base to Future Combat System (FCS) and Future Force Manage Speed and Complexity of Technological Change to Operational Needs

Systems Engineering, Assessment, and Analysis

Engineering support to PEOs/PMs, Materiel Management Centers and Current Force Identify Foreign Technologies for US Army Use

- Manage:**
- 8 Labs and Research, Development, and Engineering Centers (RDECs)
 - Army Materiel Systems Analysis (AMSAA)
 - Foreign Comparative Testing & Defense Acquisition Challenge Program
 - Regional International Technology Centers
 - Capability & Technology Integrated Process Teams
 - Agile Development Center

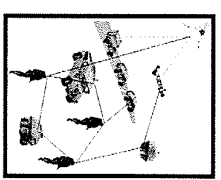
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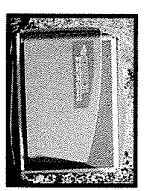
Robotics Interface



Human Performance & Embedded Training



Collaborative Networked Situational Understanding



Battery Charging Fuel Cell with Methanol Steam Reforming Unit



Protective Mask & JLIST - Joint Service Lightweight Integrated Technology

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US Army Research, Development

APG Synergy

*US Army Research Laboratory
US Army Materiel Systems Analysis Activity
US Army Edgewood Chemical Biological Center*

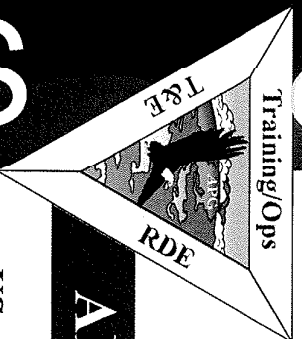
Global Linkages

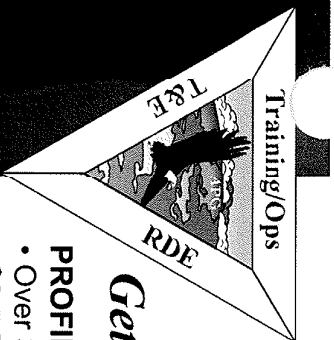
*110 direct liaisons to the field
Over 300 International Agreements
Linkage to Combatant Commanders –
FAST Teams
Engineer and Scientist Exchange Program
US Army Aviation & Missile Research,
Development & Engineering Center
US Army Armaments Research,
Development & Engineering Center
Army Research Office
US Army Communication – Electronics
Research, Development & Engineering
Center
US Army Natick Soldier Center*

*System of Systems Integration
Simulation and Training Technology Center
US Army Tank-Automotive Research,
Development & Engineering Center
International Technology Centers
Institute for Creative Technology – University
of Southern California
Institute for Soldier Nanotechnology –
Massachusetts Institute of Technology
Institute for Advanced Technology – University
of Texas (Austin)
Institute for Collaborative Biotechnologies –
University of California (Santa Barbara)*



ALLIANCES





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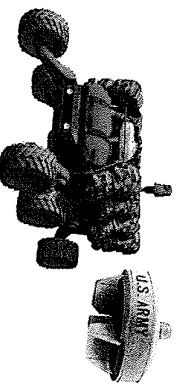
Identify Foreign Technologies for US Army Use

Manage:

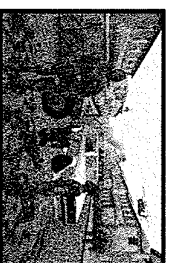
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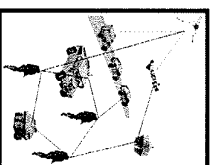
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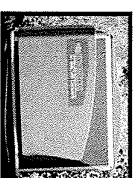
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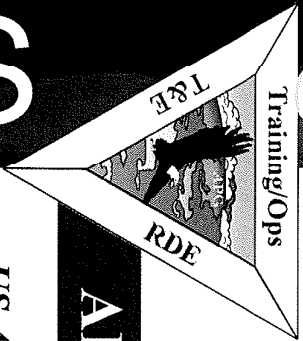


Battery Charging Fuel Cell with Methanol Steam Reforming Unit



Protective Mask & JLIST - Joint Service Lightweight Integrated Suit Technology

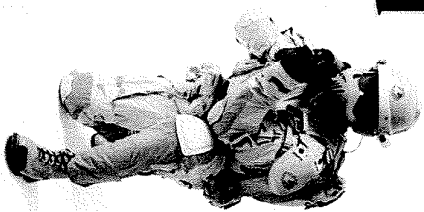
Draft Deliberative Document - For Discussion Purposes Only
Do Not Release Under FOIA



US Army Research, Development & Engineering Command

APG Synergy

US Army Research Laboratory
US Army Materiel Systems Analysis Activity
US Army Edgewood Chemical Biological Center



Global Linkages

110 direct liaisons to the field
Over 300 International Agreements
Linkage to Combatant Commanders –
FAST Teams
Engineer and Scientist Exchange Program
US Army Aviation & Missile Research, Development & Engineering Center
US Army Armaments Research, Development & Engineering Center
Army Research Office
US Army Communication – Electronics Research, Development & Engineering Center
US Army Natick Soldier Center

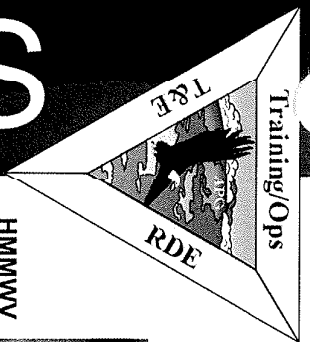
System of Systems Integration Simulation and Training Technology Center
US Army Tank-Automotive Research, Development & Engineering Center
International Technology Centers
Institute for Creative Technology – University of Southern California
Institute for Soldier Nanotechnology – Massachusetts Institute of Technology
Institute for Advanced Technology – University of Texas (Austin)
Institute for Collaborative Biotechnologies – University of California (Santa Barbara)

ALLIANCES

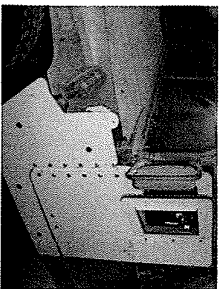




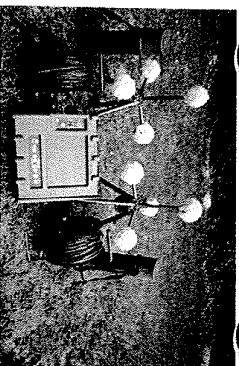
PRODUCTS



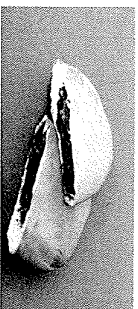
US Army Research, Development & Engineering Command



HMMWV
Doors



Pillar Gunfire Detection System



Shelf-Stable
Pocket Sandwich



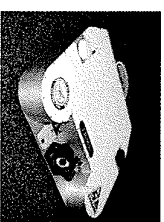
Predator Hellfire
Integration



Blue Force
Tracking



Bunker Defeat Munition



Omni-Directional
Inspection System



Cooperative
Defense Initiative



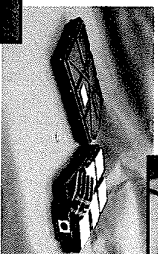
WelCam



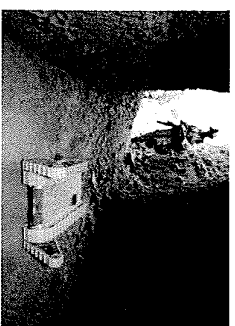
Lightweight Counter
Mortar Radar



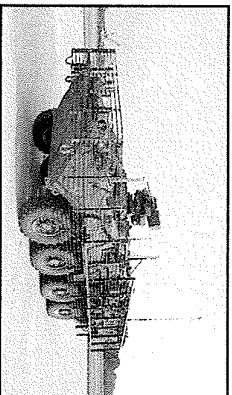
Counter
IED



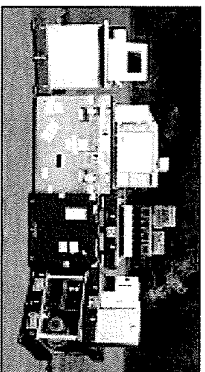
Zinc-Air
Battery



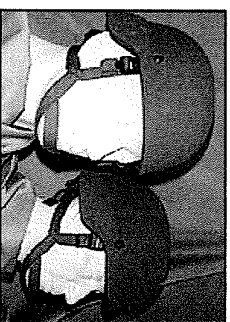
Pacbot



Slat (Bar) Armor

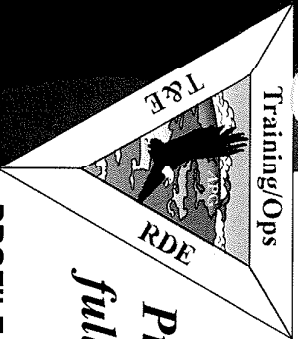


Mobile Lab



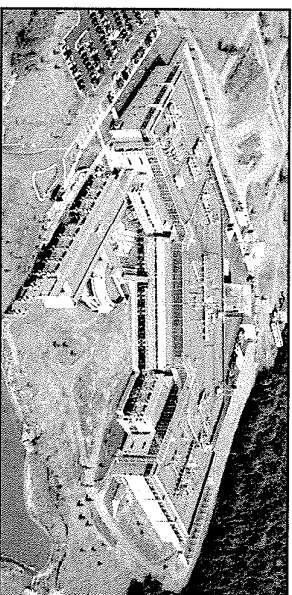
Interceptor Body Armor
& Advanced
Combat Helmet

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US Army Research Laboratory

Provide innovative science, technology, and analyses to enable full spectrum operations



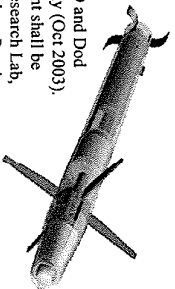
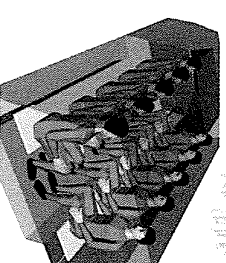
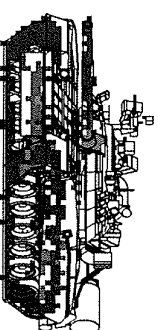
Rodman Materials Research Laboratory

PROFILE:

- \$1039M (49% reimbursable) • \$77M Facility in FY97
- 2044 civilians, 89 military 225K ft. of Lab Space
- 283 academic partners

ROLE:

- Science & Technology Generation, Gathering, Enhancement, Application
- Survivability & Lethality Analyses, MANPRINT and Human Factors Engineering
- Continuum of Excellence
 - ENIAC Digital Computer
 - Proximity Fuze
 - M829 "silver bullet" KE Penetrator
 - Special Armor for M1 Tank
- Unparalleled S&T Breadth / Scope for Transformation
 - Basic Research
 - Weapons and Materials
 - Sensors and Electron Devices
 - Human Factors
- Demo III (UGV Autonomous Mobility)
- Quantum Cascade Laser
- Armor Configuration for Stryker
- Gunfire Detection System
- Computational and Info Sciences
- Vehicle Platforms & Propulsion
- Survivability, Lethality and Vulnerability Analysis



Distribution authorized to DoD and DoD contractors only; critical technology (Oct 2003). Other requests for this document shall be referred to Director, US Army Research Lab, ATTN: AMSRD-ARL-WM, Aberdeen Proving Ground, MD 21005-5069.

MISSION



US Army Research Laboratory

APG Synergy

*US Army Edgewood Chemical
Biological Center*

*US Army Research, Development
& Engineering Command*

*US Army Materiel Systems Analysis
Activity*

*US Army Center for Health Promotion
& Preventive Medicine*

*US Army Ordnance Center & Schools
PM Obscurants*

US Army Environmental Center

APG Science & Technology Board

Kirk US Army Health Clinic

*PM Future Combat Systems
Combined Test Office*

*US Army Developmental
Test Command*

US Army Aberdeen Test Center

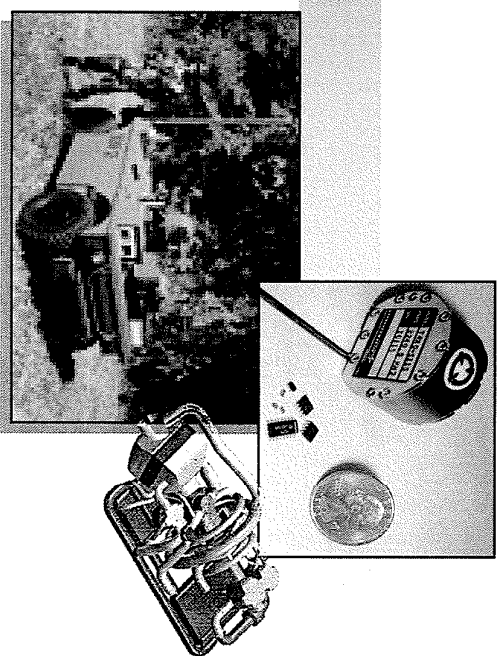
Global Linkages

CTAs *National Labs*

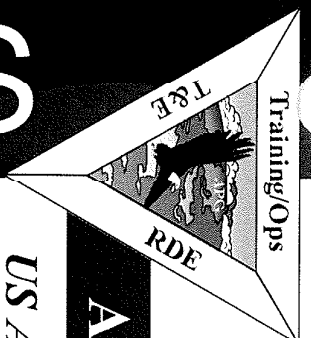
COES *~ 250 Universities*

UARCS *1400 S.I. Grants*

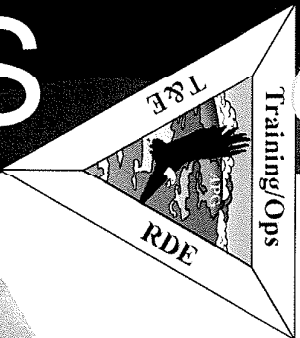
FFRDC



ALLIANCES

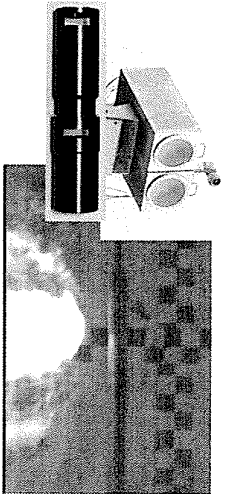


PRODUCTS



US Army Research Laboratory

*Research, Modeling and Simulation, Field Experimentation
& Live Fire Testing Support for Ground Combat Systems*



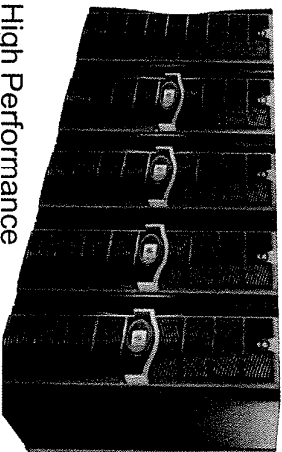
Tracking & Defeat of KE Penetrator
for Active Protection



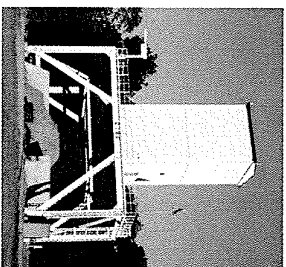
Shooter Performance Facility
(FY04 Upgrade of \$1.7M)

JPM XM777 Estimated \$6.2M
Cost Avoidance due to
MANPRINT Efforts

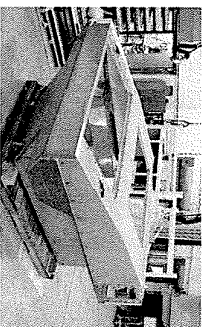
Distribution authorized
to DoD and DoD
contractors only;
critical technology (Oct 2003). Other requests for this
document shall be referred to Director, US Army Research
Laboratory, ATTN: AMSRD-ARL-WM, Aberdeen Proving
Ground, MD 21005-5069.



DoD High Performance
Computing Major Shared Resource
Center (In Top 5% of World's Most
Powerful Computing Centers)

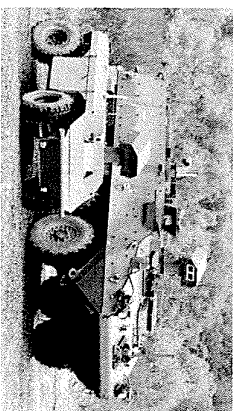


Vertical Impulse Measurement Facility
(\$.8M FY02 Upgrade)

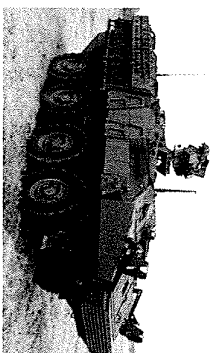


Frontal, Structural, and Applique
Armor Solutions transitioned to
TARDEC/LSI for FCS Increment I

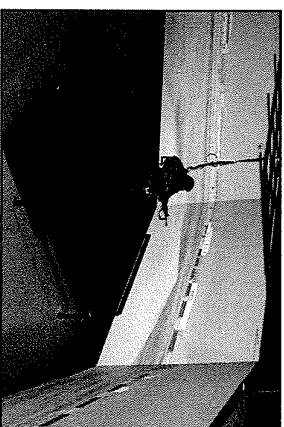
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Semi-Autonomous Mobility Technology
Transitioned to TARDEC Robotic
Follower ATD & to LSI for ARV

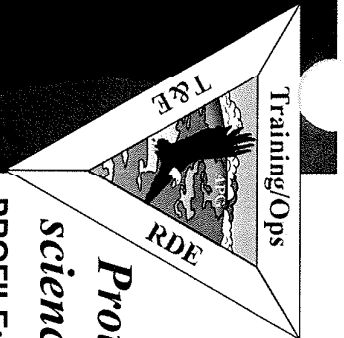


Stryker Reactive Armor Designs
Transitioned to UDLP



Tactical Environment
Simulator
(\$2.5M Upgrade in FY02)

Draft Deliberative Document - For Discussion Purposes Only
Do Not Release Under FOIA

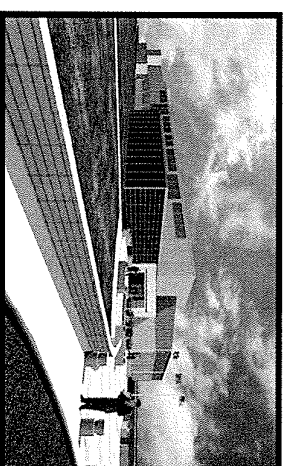


US Army Edgewood Chemical Biological Center

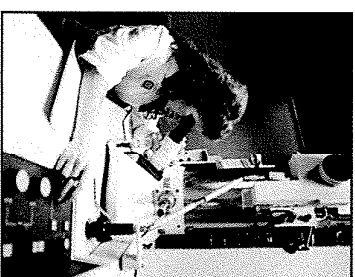
Protect the warfighter and U.S. interests through the application of science, technology, and engineering in chemical and biological defense

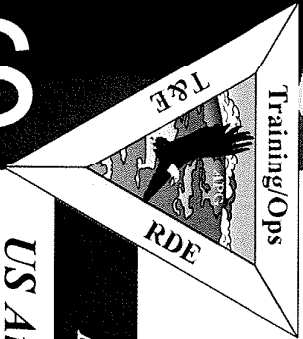
MISSION

- PROFILE:**
- Over 1,250 government and contract employees on-site
 - Unique infrastructure – Over 1 million square feet of agent labs, chambers and fabrication facilities
 - \$382 Million Budget in FY03, up from \$123 Million in 1999
- ROLE:**
- Primary DoD technical organization for non-medical chemical and biological defense
 - Chemical and biological agent “hands on” resource
 - Organized for full lifecycle support
 - Chemical Agent Stewardship
 - Only U.S. location authorized by CWC to manufacture chemical agent used for research purposes
 - Responsible for providing management of nation’s R&D stocks of chemical warfare agents
 - Research and Technology Development for:
 - Chemical and biological agent detection equipment
 - CB warfare protective gear
 - CB decontamination systems and solutions
 - Engineering
 - Concept to final product design, evaluation and engineering support
 - Trained acquisition personnel - over 300 engineers and scientists matrixed to customer organizations
 - Logistics and sustainment support
 - Chemical Biological Field Operations and Services
 - International CW recovery support and toxic agent handling and packaging
 - Technical support, hands-on training



Advanced Chemistry Laboratory
projected completion date 2005





US Army Edgewood Chemical Biological Center

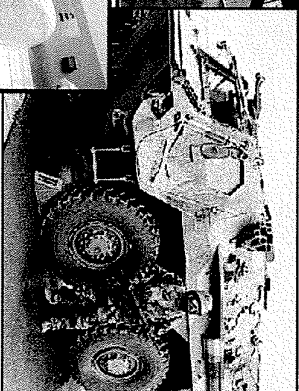
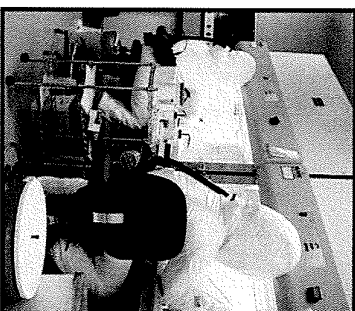
APG Synergy

*US Army Center for Health
Promotion & Preventive Medicine*
US Army Developmental Test Command
US Army Aberdeen Test Center
PM for Contamination Avoidance
US Army Chemical Materials Agency
*US Army Medical Research Institute
of Chemical Defense*
PM Obscurants

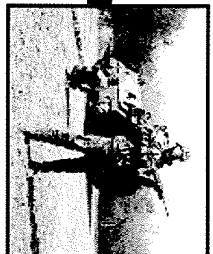
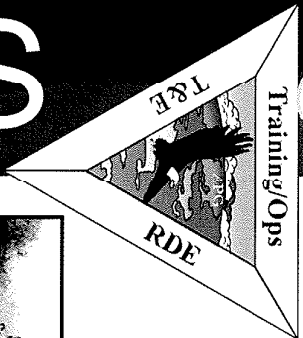
US Army Technical Escort Unit
US Army Environmental Center
US Army Research Laboratory
US Army Corps of Engineers

Global Linkages

<i>USN</i>	<i>USSS</i>
<i>USMC</i>	<i>TSWG</i>
<i>USAF</i>	<i>FBI</i>
<i>DOJ</i>	<i>DOS</i>
<i>EPA</i>	<i>DTRA</i>
<i>USPS</i>	<i>SOCOM</i>
<i>FDA</i>	<i>Intel Community</i>
<i>NIOSH/NIST</i>	



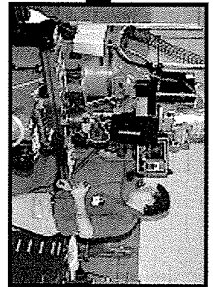
US Army Edgewood Chemical Biological Center



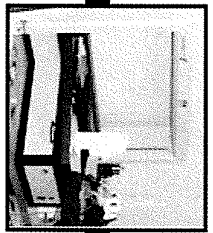
Dod Warfighter Needs



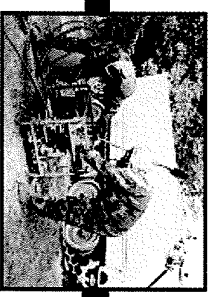
Research



Development

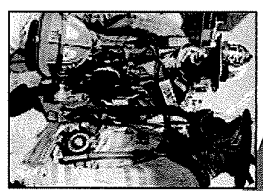


Engineering & Prototyping

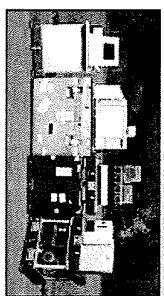


Warfighter Products

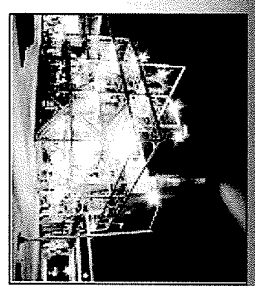
PEO
CBD



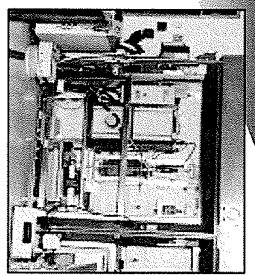
- Homeland Security**
- DOJ
 - EPA
 - USPS
 - FDA
 - USSS
 - FBI



- Antiterrorism/Force Protection**
- Technical Support Working Group
 - Dept. of State



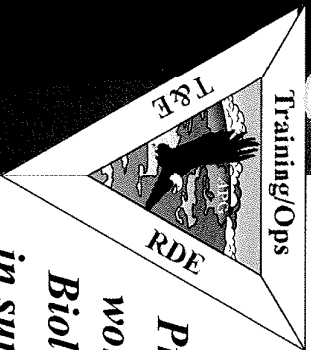
- Counterterrorism/Counterproliferation**
- Defense Threat Reduction Agency
 - SOCOM
 - Intel Community



- Non-Proliferation**
- Chemical Demilitarization
 - PM Stockpile
 - ACWA
 - Treaty Support
 - CWC
 - BWC

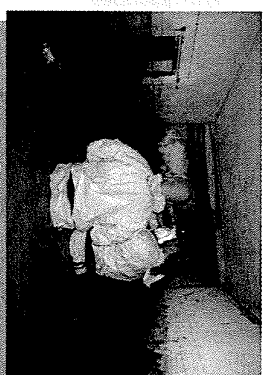
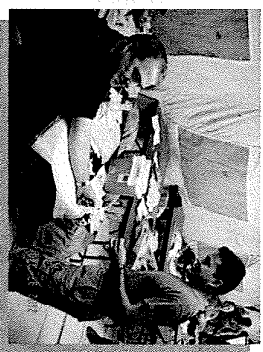
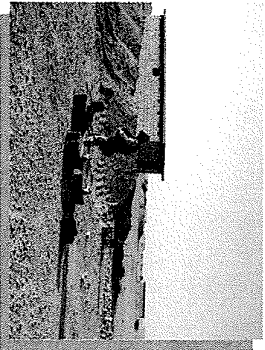


PRODUCTS



US Army Guardian Brigade

Provides highly trained and uniquely capable forces, rapidly deployable world-wide. Exercises command and control of full spectrum Chemical, Biological and Explosives (CB-E) operations and Technical Reachback in support of Combatant Commanders and Federal Agencies.

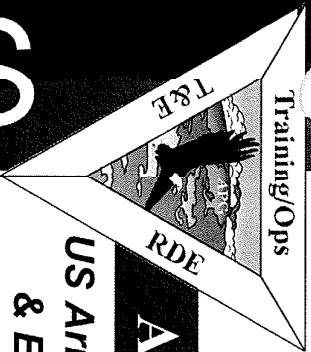


MISSION



ROLE:

- Provide full spectrum CB-E Technical Operational Force to support:
 - Emergency Response, Render-Safe, Recovery and Disposal of Recovered Chemical/Biological Warfare Munitions and Material
 - Low-level detection, monitoring and confirmatory-level analysis for Chemical and Biological Warfare Agents
 - Evidentiary sampling, transport, custody of suspect Chemical and Biological warfare agents/materials
 - Special operations
- Conduct Technical Escort of CB Surety Material and Recovered Chemical Warfare Material
- Provide CB technical reachback, advice, assistance, and staff augmentation
- Command and control specialized CB response operations and forces
- Deploy, sustain, and re-deploy forces



US Army Guardian Brigade

APG Synergy

- US Army Research Development & Engineering Command*
- US Army Edgewood Chemical Biological Center*
- Weide Army Heliport*
- Phillips Army Airfield*
- Aberdeen Test Center Secure Training & Operations Facilities*
- 520th Theater Army Medical Laboratory*
- US Army Medical Research Institute of Chemical Defense*
- Aberdeen Chemical Agent Disposal Facility*
- Army Reserve Unit – Consequence Mgmt.*
- PM Non-Stockpile Chemical Materiel*
- US Army Chemical Materials Agency*
- US Army Edgewood Chemical Activity*
- US Army Environmental Center*
- NBC Defense Program Managers*
- School of Military Packaging Technology Operations Centers*
- US Army Center for Health Promotion & Preventive Medicine*

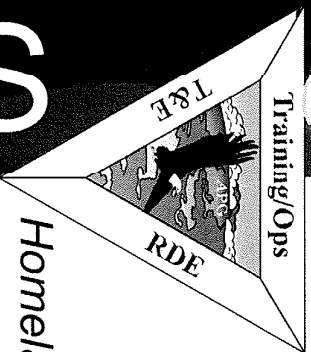
Global Linkages

- Army and Joint Combatant Commanders*
- Local, State and Federal Agencies*
- CB Formerly Used Defense Sites*
- USMC Chemical/Biological Incident Response Force*
- Technical Support Working Group*
- National Intelligence Agencies*
- US Army Corps of Engineers*
- US Army MEDCOM*
- Joint Task Forces*
- NORTHCOM*
- RDECS*
- NATO*



ALLIANCES

US Army Guardian Brigade



PRODUCTS



Homeland Security: *an organization structured to . . .*

- Deter, prevent, and/or preempt the use of WMD
- Serve as the Army's focal point
- Provide support to civil authorities when requested/required

Theater Conflict: *an organization structured to . . .*

- Counter-terrorism response
- Counter terrorism/prevent proliferation of terrorism
- Escort/sample WMD material for legal/intelligence exploitation
- Provide presumptive screening of WMD material
- Provide a 24 hr rapid response technical reach-back sanctuary

Emergency Response: *an organization structured to . . .*

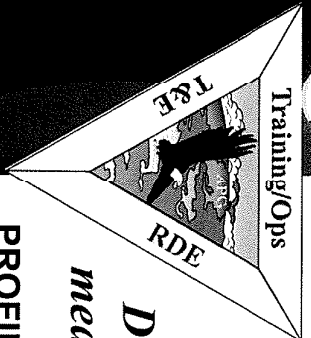
- Rapidly respond to mitigate recovered WMD materiel
- Provide C2 and responders to mitigate hazards associated with a chemical stockpile incident
- Augment installation's Chemical Accident/Incident Response and Assistance Teams

Remediation Operations: *an organization structured to . . .*

- Protect the environment through CW/BW materiel removal, escort and disposal
- Maintain the technical expertise and response capabilities for the Nation's requirements

WHY?

- Threat from rogue or collapsed states possessing weapons of mass destruction
- Requirement for full spectrum response
- Focal point for CBRNE response
- Creates the framework today for the Army's future CBRNE Command
- Builds on existing, tried and proven, one-of-a-kind organizations on point for the nation in the Global War on Terrorism
- Links scientific, technical and academic communities with operators in the field

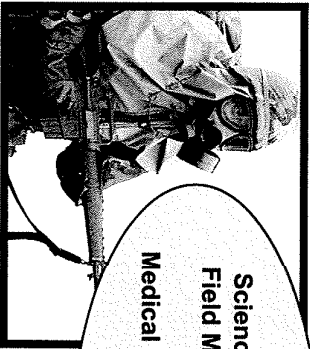


US Army Medical Research Institute of Chemical Defense

Develop medical countermeasures to chemical warfare agents and train medical personnel in the medical management of chemical casualties

PROFILE:

- Facilities and Unique Equipment:
 - 16 buildings - 300,000+ ft² (15 at APG; 1 at Ft. Detrick, MD)
 - Chemical casualty care training facility
 - Chemical surety material laboratory (unique to DoD)
 - Medical library (6000 books, 1000 journal titles, database access, interlibrary loan)
 - Animal facility (7000 ft², veterinary surgery, necropsy)
 - Medical waste incinerator
 - NMR, EPR, electron, scanning, and x-ray microscopy, HPLC, GC/MS, capillary electrophoresis, peptide synthesizer/sequencing, quantitative image enhancement/analysis, behavioral testing, molecular modeling
 - LAN, INTEL link
- Infrastructure & Scientific Resources:
 - 475 Military, Civilians, and Direct Contractors
 - \$30M Annual Budget
 - \$5M Extramural Contracts
 - 50% 6.2/6.3 Funding in DoD Defense Technology Objectives
 - 10 Cooperative Research & Development Agreements
 - 38 Material Transfer Agreements



Academy of Health Sciences Numbered Courses:
 Field Management of Chemical Casualties (322-F26)
 Medical Management of Chemical Casualties (6H-F26)

MISSION

- ## ROLE:
- Current Tech Base Efforts:
 - Vesicant therapy
 - Catalytic bioscavenger
 - Forensic analyses
 - Neuroprotection
 - National resource for medical chemical defense
 - Medical Management of Chemical & Biological Casualties Course, "Gold Standard"
 - On-line journal, *Journal of Medical Chemical Defense*
 - Inhalation toxicology
 - Subcutaneous therapy
 - Cutaneous therapy
 - Improved oxime
 - Treatment of ocular exposure to mustard
 - Skin/wound decontamination
 - Effects of low-level chemical primate model
 - Alternative non-human primate model





US Army Medical Research Institute of Chemical Defense

APG Synergy

<i>US Army Research, Development & Engineering Command</i>	<i>US Army Center for Health Promotion & Preventive Medicine</i>
<i>US Army Edgewood Chemical Biological Center</i>	<i>Kirk US Army Health Clinic</i>

Global Linkages

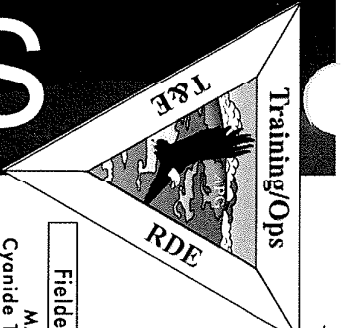
<i>US Army Center for Environmental Health Research</i>	<i>Department of Justice</i>
<i>Office of The Surgeon General</i>	<i>Department of State</i>
<i>Joint Programs Office for Chemical/Biological Defense</i>	<i>Centers for Disease Control</i>
<i>Defense Threat Reduction Agency</i>	<i>Congressional/Bioshield</i>
<i>US Army Medical Materiel Development Activity</i>	<i>National Security Council</i>
<i>US Army Medical Research Acquisition Activity</i>	<i>AMEDD Center & School</i>
<i>US Army Medical Materiel Agency</i>	<i>Department of Homeland Security</i>
<i>US Army Institute of Surgical Research</i>	<i>National Institute of Allergies & Infectious Diseases</i>
<i>Water Reed Army Institute of Research</i>	<i>National Institute of Neurologic Disorders & Stroke</i>
<i>US Army Aeromedical Research Laboratory</i>	<i>US Food & Drug Administration</i>
<i>Department of Health & Human Services</i>	<i>Tri-services, NATO</i>
<i>43 CRDAs / MTAs & 16 Contracts with various Universities / Corporations</i>	<i>CIA, FBI, US Secret Service</i>
<i>US Army Medical Research Institute of Infectious Diseases</i>	<i>State & Local Governments</i>

ALLIANCES



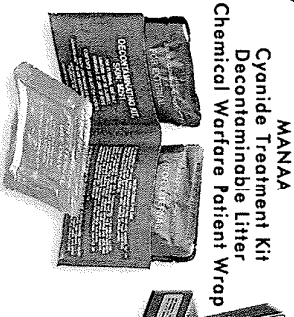


PRODUCTS



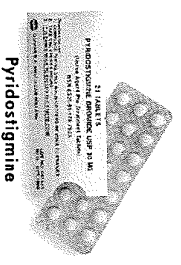
US Army Medical Research Institute of Chemical Defense

Fielded Products



MAANAA
Cyanide Treatment Kit
Decontaminable Litter
Chemical Warfare Patient Wrap

M291 Decontaminating Kit



Pyridostigmine

MCBC

The Medical Management of Chemical and Biological Casualties Course



TestMate@ Cholinesterase Kit



Convulsant Antidote Nerve Agent



Nerve Agent Antidote Kit



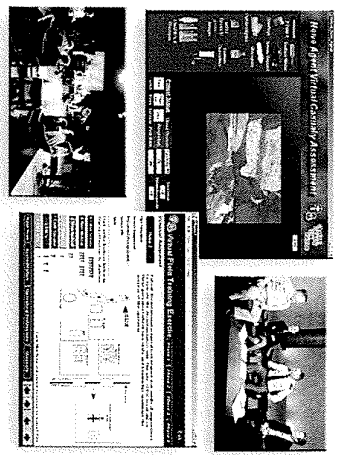
Multichambered autoinjector

Products in Development

Advanced Anticonvulsant
Active Topical Skin Protector
Stoichiometric Bioscavenger

Distance Learning

Computer and Web Based Training, Satellite Courses, and Video Teleconferencing



Training Products

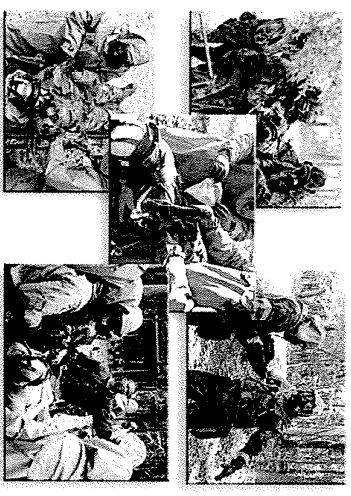
Chemical Casualty Core Division



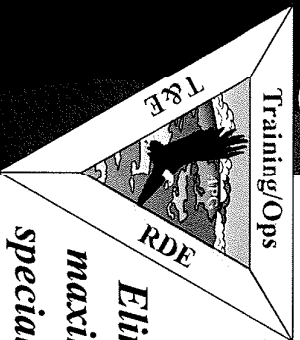
SERPACWA

FCBC

The Field Management of Chemical and Biological Casualties Course

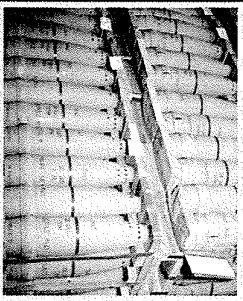


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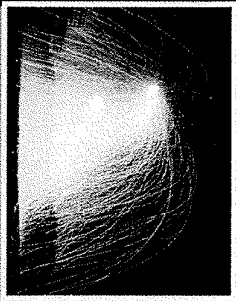


US Army Chemical Materials Agency

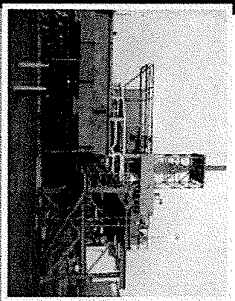
Eliminate our Nation's obsolete and aging chemical weapons, while ensuring maximum protection to the public, the workforce and the environment, and provide specialized CB defense and ammunition products and services for our soldiers and homeland defenders



- PROFILE:**
- 2,415 Military and Civilians (Nov 03)
 - \$1.7B Annual Budget (FY04)



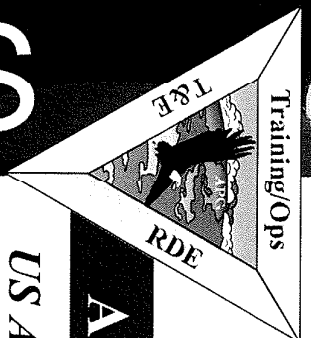
- ROLE:**
- Efficient Destruction of all Chemical Warfare and Related Material and Safe and Secure Storage of the Chemical Stockpile and Recovered Chemical Warfare Material, Ensuring Maximum Protection of the Public, the Personnel Involved in the Destruction Effort, and the Environment
 - Compliance With the International Chemical Weapons Convention (CWC)
 - Chem/Bio Defense and Smoke/Obscurant Industrial Base Missions at Pine Bluff Arsenal
 - Closure of the Chemical Agent Disposal Facilities and Chemical Stockpile Storage Areas
 - Assistance to Nations of the Former Soviet Union



- Manage:**
- 8 Chemical Stockpile Storage and Chemical Demilitarization Sites
 - Pine Bluff Arsenal to Provide Specialized Ammunition and Chem/Bio Defense Products and Technical Services
 - Cooperative Threat Reduction Program to Prevent Proliferation and Encourage Reduction of WMD.
 - Chemical Stockpile Emergency Preparedness Program to Augmenting Existing Emergency Preparedness in Communities Near Chemical Stockpile Sites.
 - Closure of the Chemical Agent Disposal Facilities and Chemical Stockpile Storage Areas

MISSION





US Army Chemical Materials Agency

APG Synergy

- US Army Research, Development & Engineering Command*
- US Army Materiel Systems Analysis Activity*
- US Army Center for Health Promotion & Preventive Medicine*

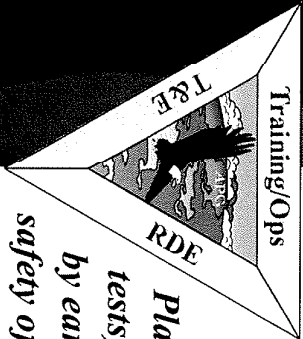
Global Linkages

- Organization for the Prohibition of Chemical Weapons*
- Defense Threat Reduction Agency*
- Department of State*
- National Research Council*
- Environmental Protection Agency*
- Department of Health and Human Services*
- Department of Energy*
- Departments of Army and Defense*
- National Security Council*



ALLIANCES



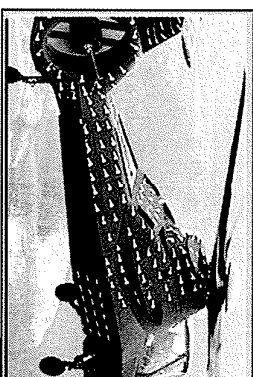


US Army Developmental Test Command

Plan, conduct, and report tests (including developmental, production, live fire and other tests) across the full spectrum of environments; Assure successful Operational testing (OT) by early integration of Developmental Test (DT), OT and evaluation activities; Verify the safety of Army systems; Develop and procure new test technology, test instrumentation, and selected models and simulations; Assure that the DT range infrastructure is responsive to the needs of the Army; and Provide support, expertise and test resources to operational missions

PROFILE:

- Five million acres (32% of the Army's Land)
- R&D Facilities - approximately 3,000
- Roads - over 4,000 miles
- Plant Replacement Value - over \$4 billion
- Technical Direction of ~ 1,800 Tests per year for Tri-Service customers
- Headquarters DTC Commands:
 - 3104 Civilians + 69 Military + 3263 Contractor Work Years
 - Annual Budget approximately \$1 Billion
 - Experience - 24 Average years of Service
 - 21 Average years of specific T&E Experience



MISSION



ROLE:

- Technical lead for Developmental Testing of Army and selected DOD Systems
- Technical verifier for the Army for System Safety prior to OT and Fielding
- R&D technical staff to develop and manage test instrumentation and test technology investments
- Budget and test center support staff directs Army's development test mission
- Manage Headquarters – One 1-Star General, Two SESS
- Command of 11 Test Centers/Sites

Training/Ops

T&E

RDE

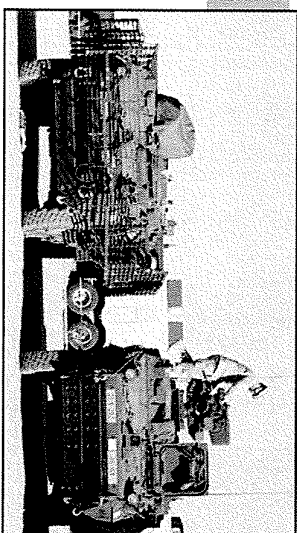
US Army Developmental Test Command

APG Synergy

<i>US Army Research Laboratory</i>	<i>US Army Ordnance Center & School</i>
<i>US Army Environmental Center</i>	<i>US Army Research Development & Engineering Command</i>
<i>US Army Aberdeen Test Center</i>	<i>US Army Materiel Systems Analysis Activity</i>
<i>US Army Medical Research Institute of Chemical Defense</i>	<i>PM Obscurants</i>
<i>US Army Evaluation Center</i>	<i>PM Future Combat Systems Combined Test Organization</i>
<i>US Army Center for Health Promotion & Preventive Medicine</i>	<i>APG Science & Technology Board</i>

Global Linkages

US Air Force
US Navy
US Marine Corps
Program Executive Offices
Program / Project Offices
Foreign Military Sales
T & E Memorandums of Understanding with Canada, France and Australia
US Army Research Development and Engineering Centers
Harford County (MD) Office of Economic Development
Northeastern Maryland Technology Council
Maryland Technology Development Corporation



ALLIANCES



US Army Environmental Center

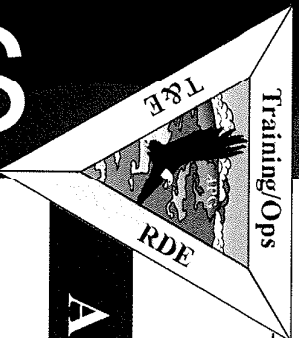
APG Synergy

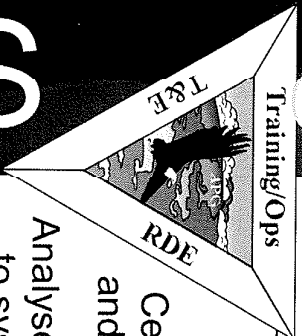
US Army Center for Health Promotion & Preventive Medicine *US Army Chemical Materials Agency*
US Army Aberdeen Test Center *US Army Research, Development & Engineering Command*
US Army Research Laboratory *National Guard*
US Army Developmental Test Command

Global Linkages

US Army Corps of Engineers *Army Environmental Policy Institute*
Fish & Wildlife Service *Department of Agriculture*
Bureau of Land Management *Air Force Center for Environmental Excellence*
Forest Service *Natural Resources Conservation Service*
Naval Facilities Engineering Service Center

ALLIANCES





US Army Environmental Center

Centralized management of environmental cleanup at Army active and Base Realignment and Closure installations.

Analyses of weapons systems under development and technical support to systems developers to identify environmental life-cycle costs.

Program management and technical analysis for requirements and fielding of environmental technologies.

Program management and technical support for implementation of Army compliance, pollution prevention, and cultural resource initiatives and programs.

Technical support and oversight services for natural resource and pest management programs at installations.

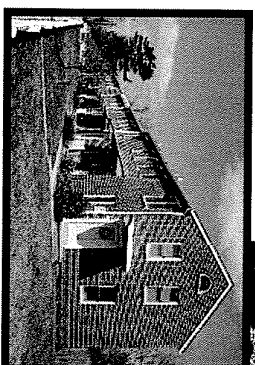
Develop and operate Army environmental reporting systems and manage environmental data.

Support to minimizing mission constraints on Army ranges arising from environmental issues; ensures the Army's land base is sustainable for soldier training and weapons testing.

Federal/state legislative and regulatory review, monitoring analysis, and commentary to ensure proposed environmental laws/regulations do not adversely impact Army training or operations, or significantly increase environmental compliance costs.



Kings Creek investigation



Historical Capehart-Werry Housing at APG



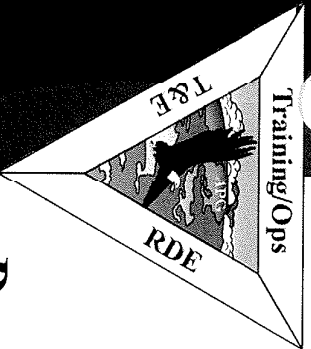
Natural Resources Conservation



Unexploded Ordnance Demonstration Test Site at APG

PRODUCTS

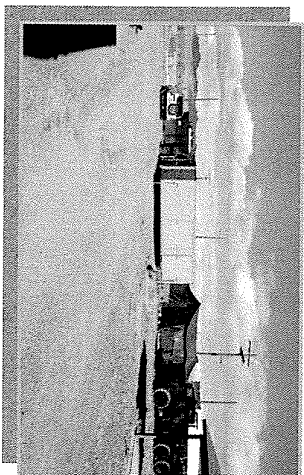
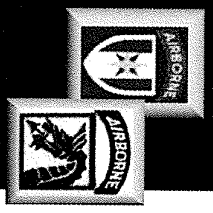


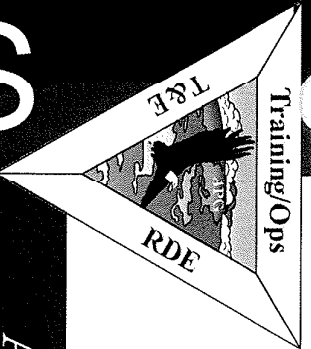


520th Theater Army Medical Laboratory

Deploy world-wide and conduct biological, chemical, nuclear, occupational health, and endemic disease threat surveillance at the theater level to protect and sustain the health of the force across the full spectrum of military operations

MISSION





520th Theater Army Medical Laboratory

APG Synergy

- US Army Medical Research Institute of Chemical Defense*
- US Army Center for Health Promotion & Preventive Medicine*
- US Army Research Development & Engineering Command*

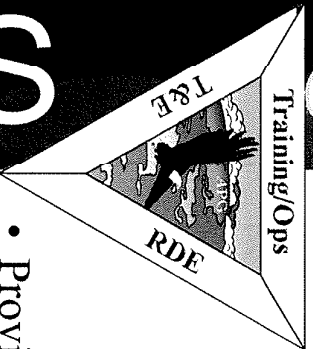
Global Linkages

- WRAIR*
- NEHC*
- USAMRIID*
- AFMIC*
- JPEO-CBD*
- AFERRI*
- JESWG*

The TAML brings the expertise of the fixed facility laboratories to the battlefield through PROFIS attachments, reach back, unique training opportunities and state-of-the art analytical capabilities

ALLIANCES



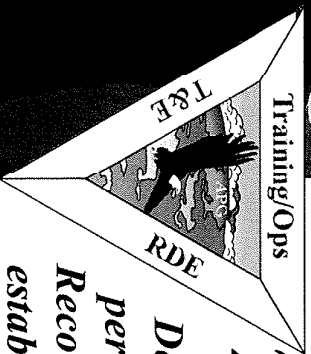


520th Theater Army Medical Laboratory

PRODUCTS

- Provides confirmation analysis for identified biowarfare agents, chemical agents and toxic industrial chemicals -- under chain of custody to provide forensically defensible results
- Rapid verification and assessment of detection platform (BIDS, JBPPDS, FOX, HHA, CDE instruments) results, following warnings and alarms
- Provides state-of-the-art technologies equivalent to those used at the US Army Research Institute of Infectious Disease (RIID), Institute of Chemical Defense (ICD) and Center for Health Promotion and Preventive Medicine (CHPPM)
- Provides BSL3 trained and experienced staff capable of high volume thru-put and sample surge capacity for WMD and force health protection samples
- Provides reference lab capabilities for endemic disease, with capability of safely handling potentially infectious specimens and vector surveys/analysis





203d Military Intelligence Battalion

Deploys Technical Intelligence (TECHINT) teams upon mobilization during periods of hostilities, war, etc., to conduct battlefield assessment (Technology Reconnaissance) of captured enemy weapons, equipment, and other materiel; establish the Captured Materiel Exploitation Center (CMEC), which is the Army component base for the establishment of a Joint Captured Materiel Exploitation Center (JCMEC) when called to do so, and shall provide technical intelligence information and training for joint and component commanders

PROFILE:

- Only TECHINT unit in the US Armed Forces
- Only providers of Foreign equipment training to US Forces, DoD Civilians, International Military, and specialized agencies personnel
- Continuous Joint training with Military and Civilian personnel on TECHINT operations

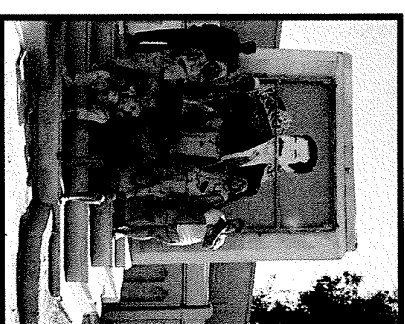
ROLE:

- Collect modified or high-priority foreign weapons and equipment
- Provide Technical Intelligence to all the US Services, and civilian agencies, to include DIA, FBI, CIA, NGIC, and MSIC
- Warehouse, organize, and disseminate captured materials to requesting agencies or services

Manage:

- 1 Active Duty Company, 3 Reserve Companies
- 6 TECHINT Teams, 2 active and 4 reserve
- CM&D platoon and Warehouse operations Platoon
- Create and Instruct only Foreign Weapons and Vehicles course taught in the US Army

MISSION



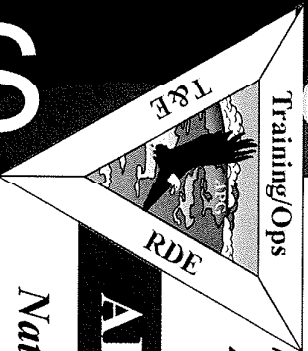
203d Military Intelligence Battalion

APG Synergy

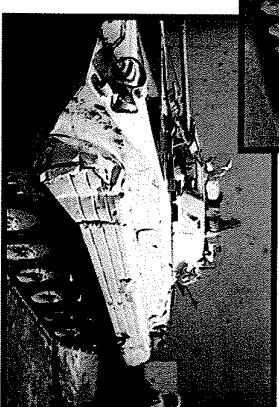
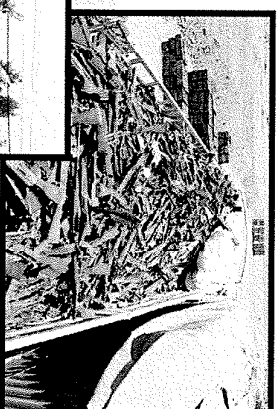
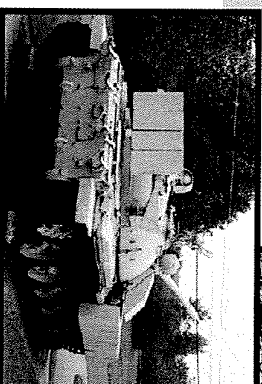
*National Ground Intelligence Center
Materiel Operations Division
US Army Aberdeen Test Center
Phillips Army Air Field*

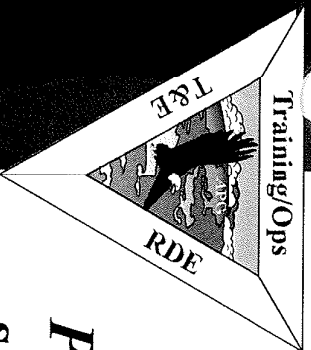
Global Linkages

*Foreign Intelligence Agencies
All branches of the US Forces
CIA
FBI
Defense Intelligence Agency
National Security Agency
Missile and Space Intelligence Center
National Ground Intelligence Center
Central Command
European Command
Pacific Command*



ALLIANCES





Northeast Civilian Personnel Operations Center

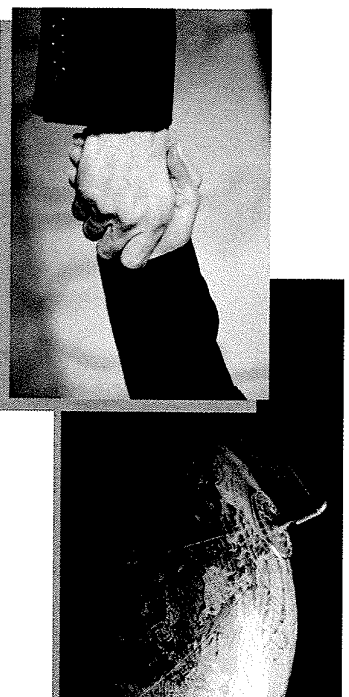
*Provide timely, accurate Human Resources
services to the region's 40,000 civilians*

PROFILE:

- 293 employees
- \$19.4M budget
- Partnership with 20 local HR Advisory Centers

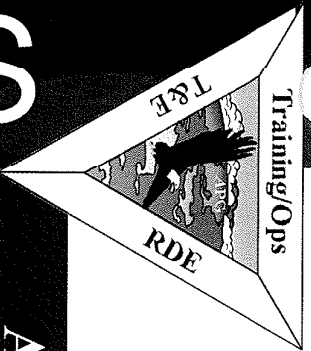
ROLE:

- Exercise delegated personnel management authority from serviced commanders to provide a variety of human resource services and advice
- Manage Central Resume Processing Center - processes resumes for all of DA civilians, world-wide
- Responds to inquiries world-wide



MISSION

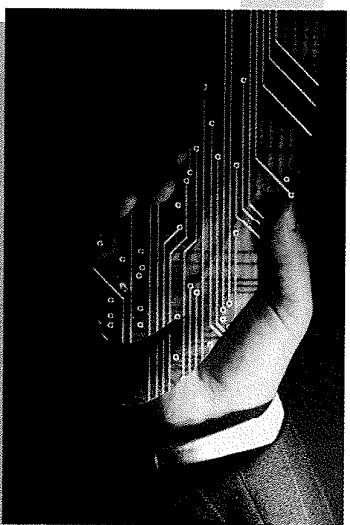




Northeast Civilian Personnel Operations Center

APG Synergy

All of APG
Civilian Human Resources Agency
Civilian Personnel Advisory Center



Global Linkages

20 Installations in NE Region:

- Pentagon
 - West Point
 - Army War College
 - 6 USACE Districts in the North Atlantic Division
 - Multiple Research & Development Activities
 - 2 Power Projection Platform Installations
- Labor Organizations**
EEOC

DA Worldwide:

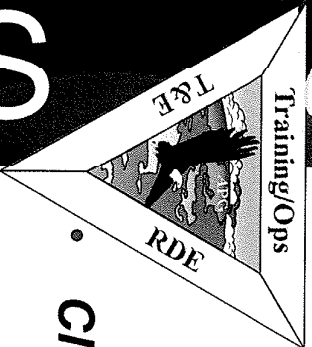
- HQ DA
 - Most DA MACOMS
 - 11 MSCs
- OPM**
Congressional Offices
DOD Elements

ALLIANCES





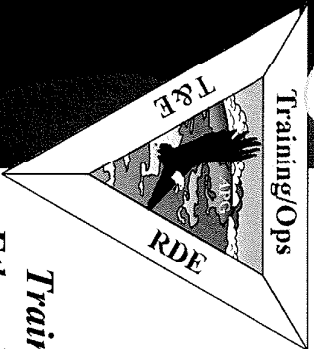
PRODUCTS



Northeast Civilian Personnel Operations Center

- *Classified/authenticated position descriptions*
- *Job announcements/lists of qualified candidates*
- *Implementation of realignments/reorganizations*
- *Implementation of reductions-in-force*
- *Authentication/processing of personnel actions*
- *Automated HR data base/tools maintenance*
- *Responses to inquiries on resume processing*
- *Responses (phone/e-mail) from Public/Federal employees*





US Army Ordnance Mechanical Maintenance School & Center



Train Ordnance soldiers in technical skills, values, common tasks and the Warrior Ethos. Prepare them to immediately contribute to the successful accomplishment of their unit's mission and to survive and operate effectively in a tactical environment. Develop Ordnance NCOs, Warrant Officers and Officers as leaders of character, who are technically and tactically competent, and able to effectively operate in a tactical environment

PROFILE:

- Interservice, interagency, international school
- Second largest branch in the Army
- 106 courses during normal operations with 73 additional courses ready to be implemented during mobilization, with 12,123 Army, Navy, Marine and Air Force graduates annually
- Total graduates: Army 8,830, Marines 898, Air Force is 409, Navy 10, and SMPT 1,976
- 97 buildings, 2.1M total square feet, the largest training facility is nearly 290K square feet
- Ordnance Museum with 12,900 artifacts

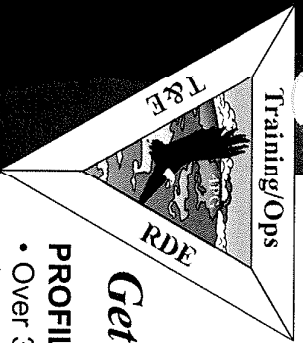
ROLE:

- Conduct Ordnance Advanced Individual Training, and Officer, Warrant Officer and Non-Commissioned Officer Basic and Advanced Courses
- Provide basic, specialized, and advanced packaging training for DOD personnel.

CORE COMPETENCIES
Train Soldiers & Develop Leaders
Integrate Systems & Materiel
Develop Doctrine & Organizations

MISSION





US Army Research, Development & Engineering Command

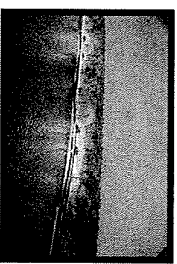
Get the right technologies in the hands of Warfighters quicker



Objective Force Warrior



Strike (Exploit FCS Natted Fires)



Sensory Enhancement

PROFILE:

- Over 30K Military, Civilians, and Direct Contractors
- \$3.5 B Annual Budget
- 75% of Army Science and Technology Objectives
- All Army Advanced Technology Demonstrations (ATDs)
- 6 of 13 Advanced Concept Technology Demonstrations (ACTDs)
- 20 FCTs & 7 DACPs Totaling \$23.8 Million with 13 different Countries

ROLE:

Technology Out of the Laboratories and into the Hands of Warfighters in the Shortest Time

Direct Support of the Tech Base to Future Combat System (FCS) and Future Force Manage Speed and Complexity of Technological Change to Operational Needs

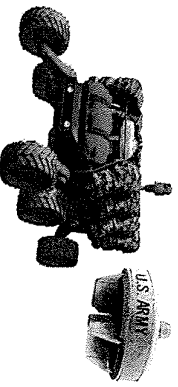
Systems Engineering, Assessment, and Analysis

Engineering support to PEOs/PWs, Materiel Management Centers and Current Force Identify Foreign Technologies for US Army Use

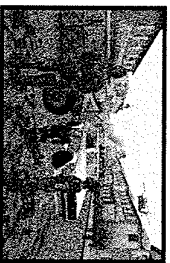
Manage:

- 8 Labs and Research, Development, and Engineering Centers (RDECs)
- Army Materiel Systems Analysis (AMSAA)
- Foreign Comparative Testing & Defense Acquisition Challenge Program
- Regional International Technology Centers
- Capability & Technology Integrated Process Teams
- Agile Development Center

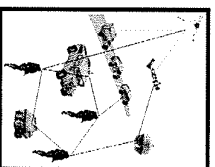
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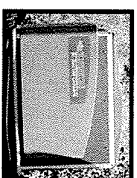
Robotics Interface



Human Performance & Embedded Training



Collaborative Networked Situational Understanding

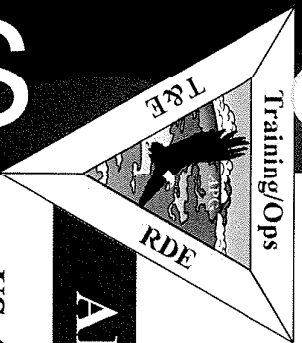


Battery Charging Fuel Cell with Methanol Steam Reforming Unit



Protective Mask & JLIST - Joint Service Lightweight Integrated Suit Technology

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Do Not Release Under FOIA



US Army Research, Development & Engineering Command

APG Synergy

US Army Research Laboratory
US Army Materiel Systems Analysis Activity
US Army Edgewood Chemical Biological Center



Global Linkages

110 direct liaisons to the field
Over 300 International Agreements
Linkage to Combatant Commanders –
FAST Teams
Engineer and Scientist Exchange Program
US Army Aviation & Missile Research,
Development & Engineering Center
US Army Armaments Research,
Development & Engineering Center
Army Research Office
US Army Communication – Electronics
Research, Development & Engineering
Center
US Army Natick Soldier Center

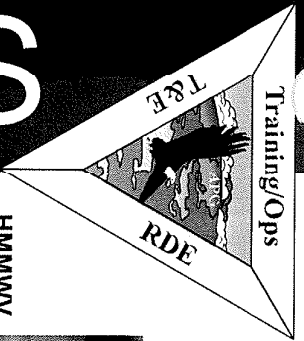
System of Systems Integration
Simulation and Training Technology Center
US Army Tank-Automotive Research,
Development & Engineering Center
International Technology Centers
Institute for Creative Technology – University
of Southern California
Institute for Soldier Nanotechnology –
Massachusetts Institute of Technology
Institute for Advanced Technology – University
of Texas (Austin)
Institute for Collaborative Biotechnologies –
University of California (Santa Barbara)



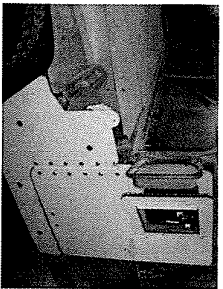
ALLIANCES



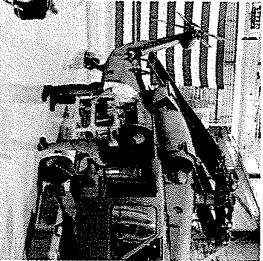
PRODUCTS



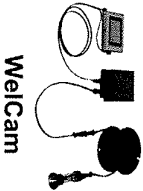
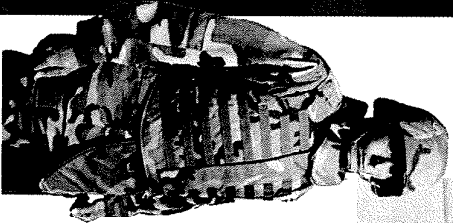
US Army Research, Development & Engineering Command



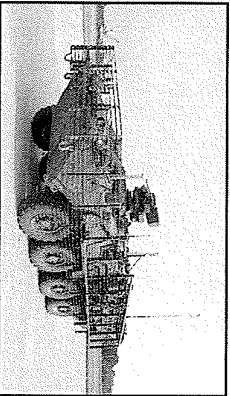
HMMWV
Doors



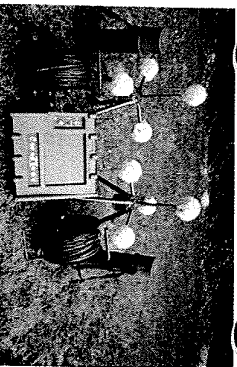
Blue Force
Tracking



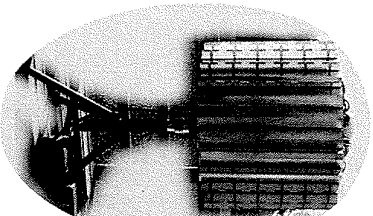
WelCam



Slat (Bar) Armor



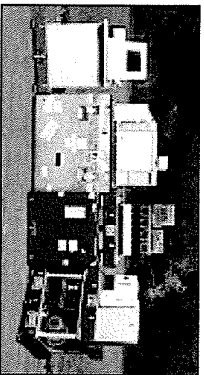
Pillar Gunfire Detection System



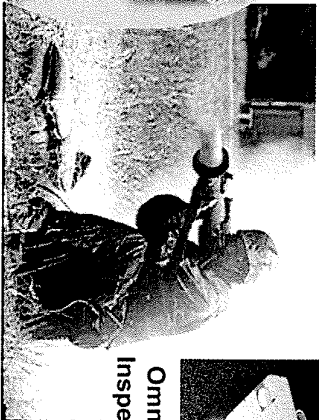
Lightweight Counter
Mortar Radar



Phraselator

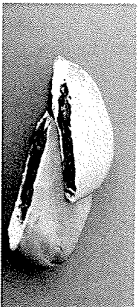


Mobile Lab

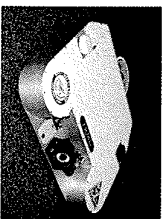


Bunker Defeat Munition

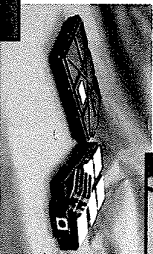
Counter
IED



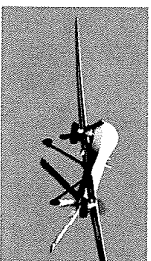
Shelf-Stable
Pocket Sandwich



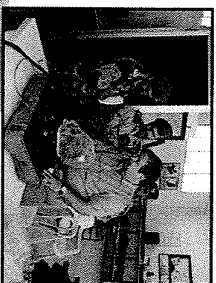
Omni-Directional
Inspection System



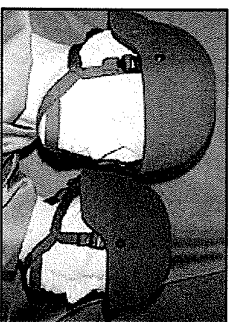
Zinc-Air
Battery



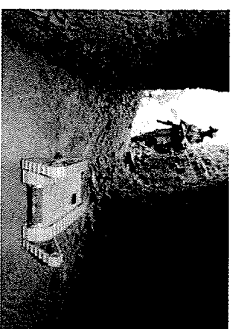
Predator Hellfire
Integration



Cooperative
Defense Initiative

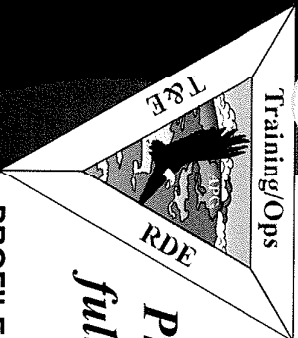


Interceptor Body Armor
& Advanced
Combat Helmet



Pacbot

Draft Deliberative Document - For Discussion Purposes Only
Do Not Release Under FOIA



US Army Research Laboratory

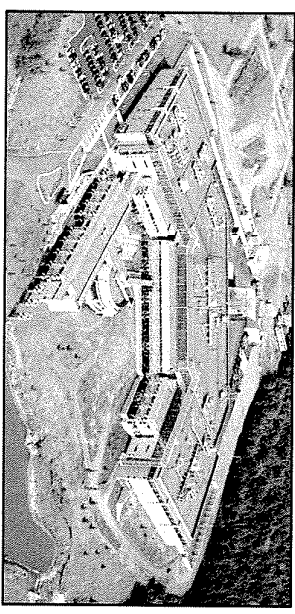
Provide innovative science, technology, and analyses to enable full spectrum operations

PROFILE:

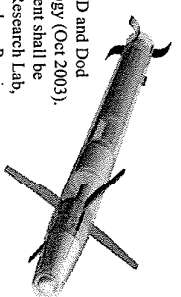
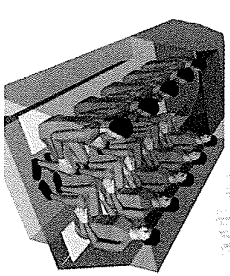
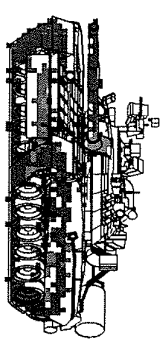
- \$1039M (49% reimbursable)
- 2044 civilians, 89 military
- 283 academic partners
- \$77M Facility in FY97
- 225K ft. of Lab Space

ROLE:

- Science & Technology Generation, Gathering, Enhancement, Application
- Survivability & Lethality Analyses, MANPRINT and Human Factors Engineering
- Continuum of Excellence
 - ENIAC Digital Computer
 - Proximity Fuze
 - M829 "silver bullet" KE Penetrator
 - Special Armor for M1 Tank
- Unparalleled S&T Breadth / Scope for Transformation
 - Basic Research
 - Weapons and Materials
 - Sensors and Electron Devices
 - Human Factors
- Demo III (UGV Autonomous Mobility)
 - Quantum Cascade Laser
 - Armor Configuration for Stryker
 - Gunfire Detection System
- Computational and Info Sciences
 - Vehicle Platforms & Propulsion
 - Survivability, Lethality and Vulnerability Analysis



Rodman Materials Research Laboratory



Distribution authorized to DoD and DoD contractors only; critical technology (Oct 2003). Other requests for this document shall be referred to Director, US Army Research Lab, ATTN: AMSRD-ARL-WM, Aberdeen Proving Ground, MD 21005-5069.

MISSION



Training/Ops

T&E

RDE

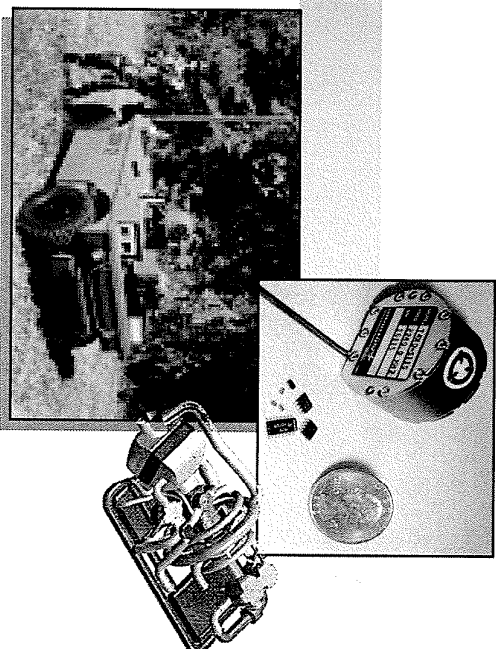
US Army Research Laboratory

APG Synergy

- US Army Edgewood Chemical Biological Center*
- US Army Research, Development & Engineering Command*
- US Army Materiel Systems Analysis Activity*
- US Army Center for Health Promotion & Preventive Medicine*
- US Army Ordnance Center & Schools*
- US Army Environmental Center*
- APG Science & Technology Board*
- Kirk US Army Health Clinic*
- PM Future Combat Systems Combined Test Office*
- US Army Developmental Test Command*
- US Army Aberdeen Test Center*
- US Army Aberdeen Test Center*

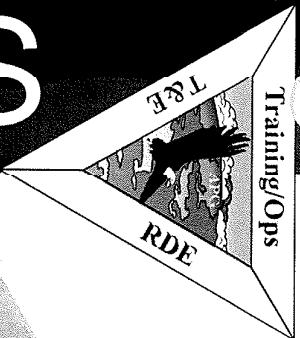
Global Linkages

- CTAs National Labs*
- COEs ~ 250 Universities*
- UARCS 1400 S.I. Grants*
- FFRDC*



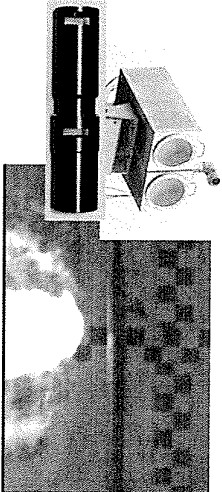
ALLIANCES

PRODUCTS

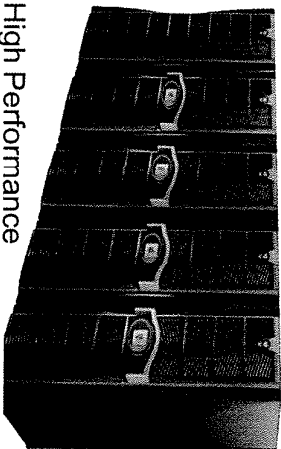


US Army Research Laboratory

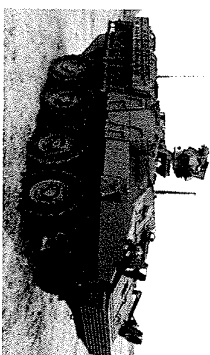
*Research, Modeling and Simulation, Field Experimentation
& Live Fire Testing Support for Ground Combat Systems*



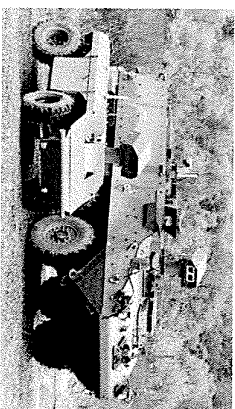
Tracking & Defeat of KE Penetrator
for Active Protection



DOD High Performance
Computing Major Shared Resource
Center (In Top 5% of World's Most
Powerful Computing Centers)



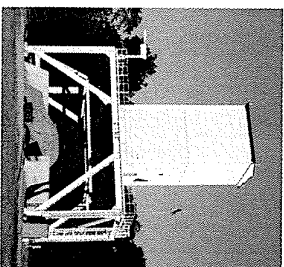
Stryker Reactive Armor Designs
Transitioned to UDLP



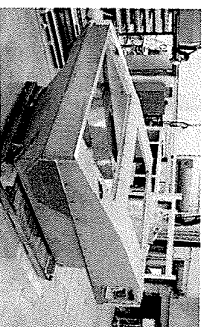
Semi-Autonomous Mobility Technology
Transitioned to TARDEC Robotic
Follower ATD & to LSI for ARV



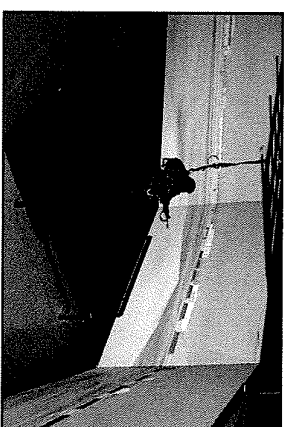
Shooter Performance Facility
(FY04 Upgrade of \$1.7M)



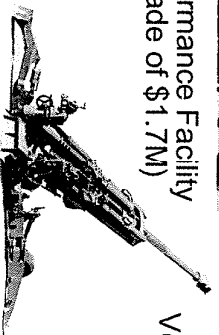
Vertical Impulse Measurement Facility
(\$.8M FY02 Upgrade)



Frontal, Structural, and Applique
Armor Solutions transitioned to
TARDEC/LSI for FCS Increment I

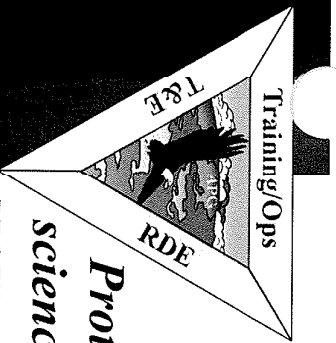


Tactical Environment
Simulator
(\$2.5M Upgrade in FY02)
Draft Deliberative Document - For Discussion Purposes Only
Do Not Release Under FOIA



JPM XM777 Estimated \$6.2M
Cost Avoidance due to
MANPRINT Efforts

Distribution authorized
to DoD and DoD
contractors only;
critical technology (Oct 2003). Other requests for this
document shall be referred to Director, US Army Research
Laboratory, ATTN: AMSRD-ARL-WM, Aberdeen Proving
Ground, MD 21005-5069.



US Army Edgewood Chemical Biological Center

Protect the warfighter and U.S. interests through the application of science, technology, and engineering in chemical and biological defense

PROFILE:

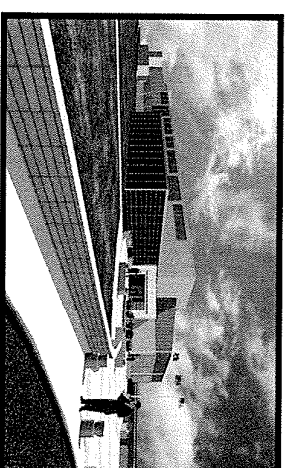
- Over 1,250 government and contract employees on-site
- Unique infrastructure – Over 1 million square feet of agent labs, chambers and fabrication facilities
- \$382 Million Budget in FY03, up from \$123 Million in 1999

ROLE:

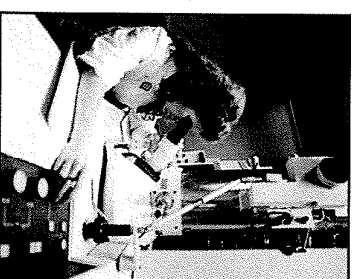
- Primary DoD technical organization for non-medical chemical and biological defense
- Chemical and biological agent “hands on” resource
- Organized for full lifecycle support
- Chemical Agent Stewardship
 - Only U.S. location authorized by CWC to manufacture chemical agent used for research purposes
 - Responsible for providing management of nation’s R&D stocks of chemical warfare agents
- Research and Technology Development for:
 - Chemical and biological agent detection equipment
 - CB warfare protective gear
 - CB decontamination systems and solutions
- Engineering
 - Concept to final product design, evaluation and engineering support
 - Trained acquisition personnel - over 300 engineers and scientists matrixed to customer organizations
 - Logistics and sustainment support
- Chemical Biological Field Operations and Services
 - International CW recovery support and toxic agent handling and packaging
 - Technical support, hands-on training

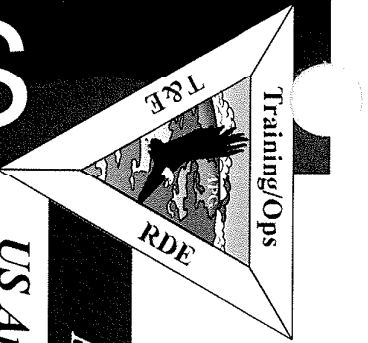


MISSION



Advanced Chemistry Laboratory
projected completion date 2005





US Army Edgewood Chemical Biological Center

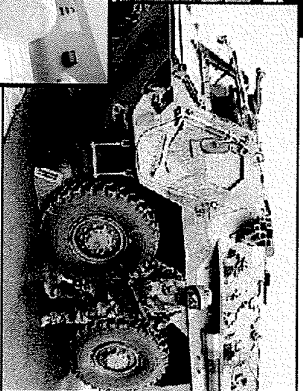
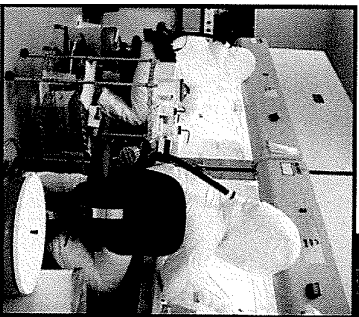
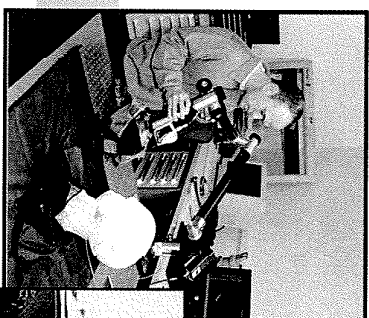
APG Synergy

*US Army Center for Health
Promotion & Preventive Medicine*
US Army Developmental Test Command
US Army Aberdeen Test Center
PM for Contamination Avoidance
US Army Chemical Materials Agency
*US Army Medical Research Institute
of Chemical Defense*
PM Obscurants

US Army Technical Escort Unit
US Army Environmental Center
US Army Research Laboratory
US Army Corps of Engineers

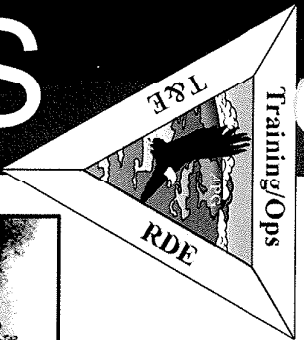
Global Linkages

<i>USN</i>	<i>USSS</i>
<i>USMC</i>	<i>TSWG</i>
<i>USAF</i>	<i>FBI</i>
<i>DOJ</i>	<i>DOS</i>
<i>EPA</i>	<i>DTRA</i>
<i>USPS</i>	<i>SOCOM</i>
<i>FDA</i>	<i>Intel Community</i>
<i>NIOSH/NIST</i>	

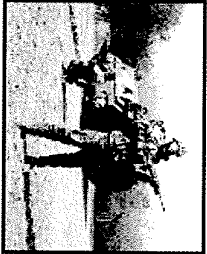




PRODUCTS



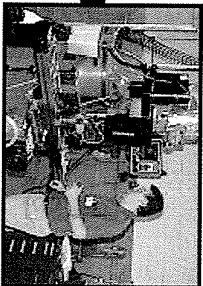
US Army Edgewood Chemical Biological Center



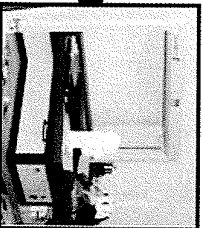
DOD Warfighter Needs



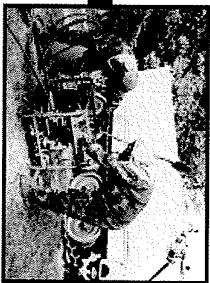
Research



Development

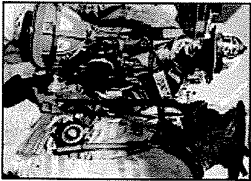


Engineering & Prototyping

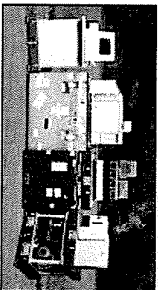


Warfighter Products

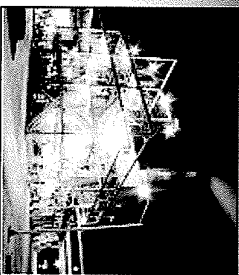
PEO
CBD



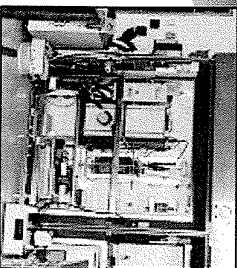
- Homeland Security**
- DOJ
 - EPA
 - USPS
 - FDA
 - USSS
 - FBI



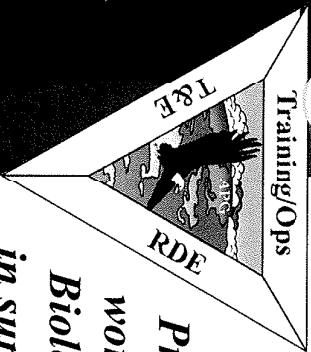
- Antiterrorism/Force Protection**
- Technical Support Working Group
 - Dept. of State



- Counterterrorism/Counterproliferation**
- Defense Threat Reduction Agency
 - SOCOM
 - Intel Community

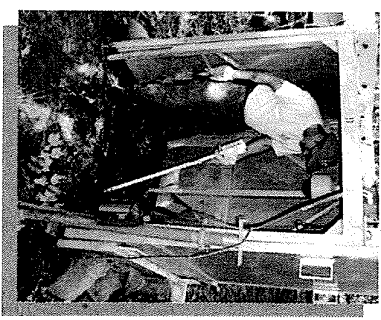
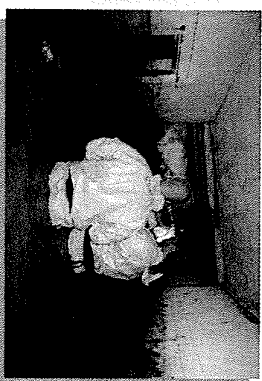
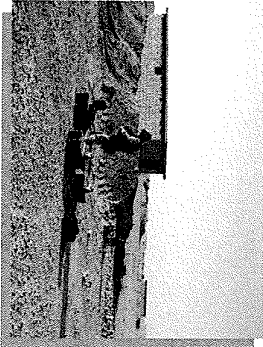


- Non-Proliferation**
- Chemical Demilitarization
 - PM Stockpile
 - ACWA
 - Treaty Support
 - CWC
 - BWC



US Army Guardian Brigade

Provides highly trained and uniquely capable forces, rapidly deployable world-wide. Exercises command and control of full spectrum Chemical, Biological and Explosives (CB-E) operations and Technical Reachback in support of Combatant Commanders and Federal Agencies.

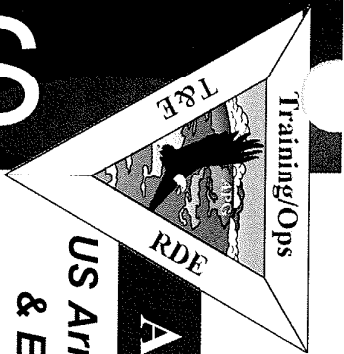


MISSION



ROLE:

- Provide full spectrum CB-E Technical Operational Force to support:
 - Emergency Response, Render-Safe, Recovery and Disposal of Recovered Chemical/Biological Warfare Munitions and Material
 - Low-level detection, monitoring and confirmatory-level analysis for Chemical and Biological Warfare Agents
 - Evidentiary sampling, transport, custody of suspect Chemical and Biological warfare agents/materials
 - Special operations
- Conduct Technical Escort of CB Surety Material and Recovered Chemical Warfare Material
- Provide CB technical reachback, advice, assistance, and staff augmentation
- Command and control specialized CB response operations and forces
- Deploy, sustain, and re-deploy forces



US Army Guardian Brigade

APG Synergy

- US Army Research Development & Engineering Command**
- US Army Edgewood Chemical Biological Center**
- Weide Army Heliport**
- Phillips Army Airfield**
- Aberdeen Test Center Secure Training & Operations Facilities**
- 520th Theater Army Medical Laboratory**
- US Army Medical Research Institute of Chemical Defense**
- Aberdeen Chemical Agent Disposal Facility**
- Army Reserve Unit – Consequence Mgmt.**
- PM Non-Stockpile Chemical Materiel**
- US Army Chemical Materials Agency**
- US Army Edgewood Chemical Activity**
- US Army Environmental Center**
- NBC Defense Program Managers**
- School of Military Packaging Technology Operations Centers**
- US Army Center for Health Promotion & Preventive Medicine**

Global Linkages

- Army and Joint Combatant Commanders**
- Local, State and Federal Agencies**
- CB Formerly Used Defense Sites**
- USMC Chemical/Biological Incident Response Force**
- Technical Support Working Group**
- National Intelligence Agencies**
- US Army Corps of Engineers**
- US Army MEDCOM**
- Joint Task Forces**
- NORTHCOM**
- RDECS**
- NATO**



ALLIANCES



Training/Ops

T&E
RDE

US Army Guardian Brigade

★ PRODUCTS

Homeland Security:

an organization structured to . . .

- Deter, prevent, and/or preempt the use of WMD
- Serve as the Army's focal point
- Provide support to civil authorities when requested/required

Theater Conflict:

an organization structured to . . .

- Counter-terrorism response
- Counter terrorism/prevent proliferation of terrorism
- Escort/sample WMD material for legal/intelligence exploitation
- Provide presumptive screening of WMD material
- Provide a 24 hr rapid response technical reach-back sanctuary

Emergency Response:

an organization structured to . . .

- Rapidly respond to mitigate recovered WMD material
- Provide C2 and responders to mitigate hazards associated with a chemical stockpile incident
- Augment installation's Chemical Accident/Incident Response and Assistance Teams

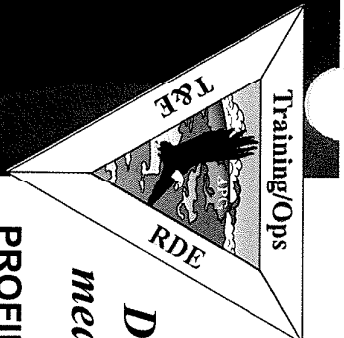
Remediation Operations:

an organization structured to . . .

- Protect the environment through CW/BW material removal, escort and disposal
- Maintain the technical expertise and response capabilities for the Nation's requirements

WHY?

- Threat from rogue or collapsed states possessing weapons of mass destruction
- Requirement for full spectrum response
- Focal point for CBRNE response
- Creates the framework today for the Army's future CBRNE Command
- Builds on existing, tried and proven, one-of-a-kind organizations on point for the nation in the Global War on Terrorism
- Links scientific, technical and academic communities with operators in the field



US Army Medical Research Institute of Chemical Defense

Develop medical countermeasures to chemical warfare agents and train medical personnel in the medical management of chemical casualties

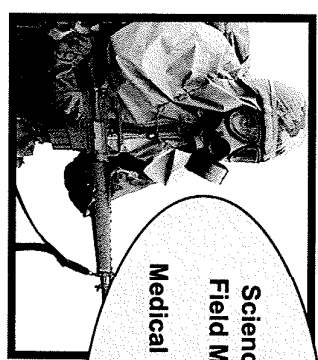
PROFILE:

Facilities and Unique Equipment:
 16 buildings - 300,000+ ft² (15 at APG; 1 at Ft. Detrick, MD)
 Chemical casualty care training facility
 Chemical surety material laboratory (unique to DoD)
 Medical library (6000 books, 1000 journal titles, database access, interlibrary loan)
 Animal facility (7000 ft², veterinary surgery, necropsy)
 Medical waste incinerator
 NMR, EPR, electron, scanning, and x-ray microscopy, HPLC, GC/MS, capillary electrophoresis, peptide synthesizer/ sequencing, quantitative image enhancement/analysis, behavioral testing, molecular modeling
 LAN, INTEL link

ROLE:

Current Tech Base Efforts:
 Vesicant therapy
 Catalytic bioscavenger
 Forensic analyses
 Neuroprotection
 National resource for medical chemical defense
 Medical Management of Chemical & Biological Casualties Course, "Gold Standard"
 On-line journal, *Journal of Medical Chemical Defense*

Infrastructure & Scientific Resources:
 475 Military, Civilians, and Direct Contractors
 \$30M Annual Budget
 \$5M Extramural Contracts
 50% 6.2/6.3 Funding in DoD Defense Technology Objectives
 10 Cooperative Research & Development Agreements
 38 Material Transfer Agreements



Academy of Health Sciences Numbered Courses:
 Field Management of Chemical Casualties (322-F26)
 Medical Management of Chemical Casualties (6H-F26)

Treatment of ocular exposure to mustard
 Skin/wound decontamination
 Effects of low-level chemical primate model
 Alternative non-human primate model

MISSION





US Army Medical Research Institute of Chemical Defense

APG Synergy

*US Army Research, Development
& Engineering Command
US Army Edgewood Chemical
Biological Center*

*US Army Center for Health Promotion
& Preventive Medicine
Kirk US Army Health Clinic*

Global Linkages

*US Army Center for Environmental Health Research
Office of The Surgeon General
Joint Programs Office for Chemical/Biological Defense
Defense Threat Reduction Agency
US Army Medical Materiel Development Activity
US Army Medical Research Acquisition Activity
US Army Medical Materiel Agency
US Army Institute of Surgical Research
Walter Reed Army Institute of Research
US Army Aeromedical Research Laboratory
Department of Health & Human Services
43 CRDAs / MTAs & 16 Contracts with various
Universities / Corporations
US Army Medical Research Institute of
Infectious Diseases*

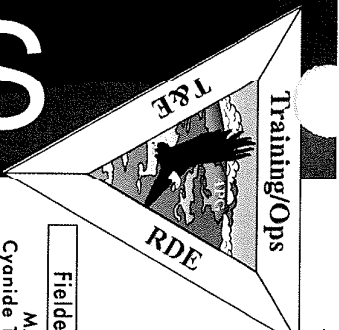
*Department of Justice
Department of State
Centers for Disease Control
Congressional/Bioshield
National Security Council
AMEDD Center & School
Department of Homeland Security
National Institute of Allergies &
Infectious Diseases
National Institute of Neurologic
Disorders & Stroke
US Food & Drug Administration
Tri-services, NATO
CIA, FBI, US Secret Service
State & Local Governments*

ALLIANCES





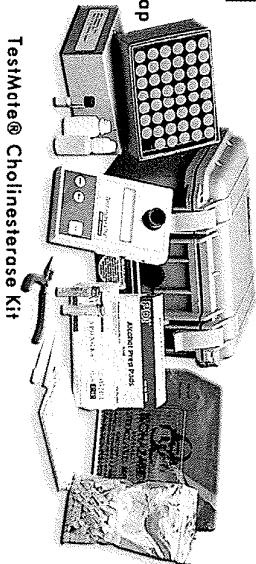
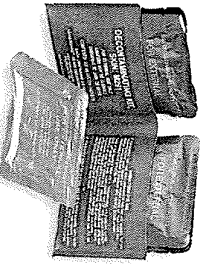
PRODUCTS



US Army Medical Research Institute of Chemical Defense

Fielded Products

MANNA
Cyanide Treatment Kit
Decontaminable Lifter
Chemical Warfare Patient Wrap



TestMate@ Cholinesterase Kit

M291 Decontaminating Kit



Convulsant Antidote Nerve Agent

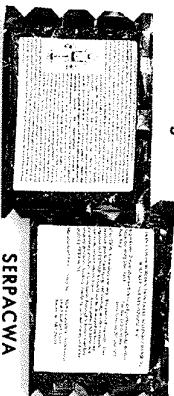


Nerve Agent Antidote Kit

Multichambered autoinjector



Products in Development
Advanced Anticonvulsant
Active Topical Skin Protectant
Stoichiometric Bioscavenger



SERPACWA

Training Products

Chemical Casualty Care Division



MCBC

The Medical Management of Chemical and Biological Casualties Course



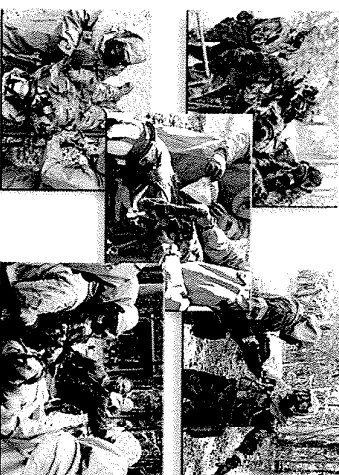
Distance Learning

Computer and Web Based Training, Satellite Courses, and Video Teleconferencing

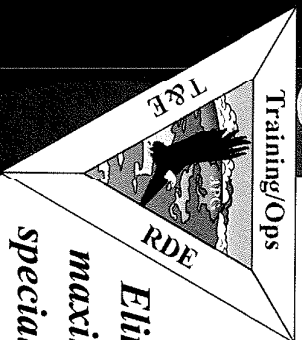


FCBC

The Field Management of Chemical and Biological Casualties Course

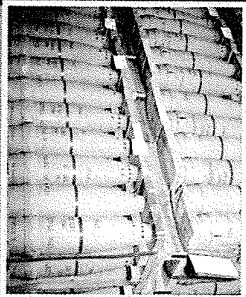


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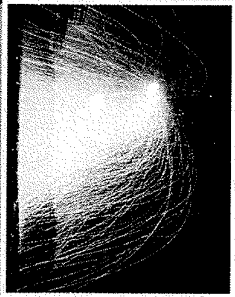


US Army Chemical Materials Agency

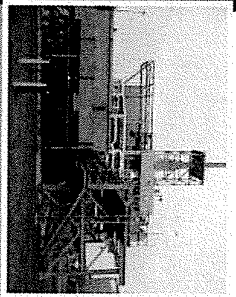
Eliminate our Nation's obsolete and aging chemical weapons, while ensuring maximum protection to the public, the workforce and the environment, and provide specialized CB defense and ammunition products and services for our soldiers and homeland defenders



- PROFILE:**
- 2,415 Military and Civilians (Nov 03)
 - \$1.7B Annual Budget (FY04)



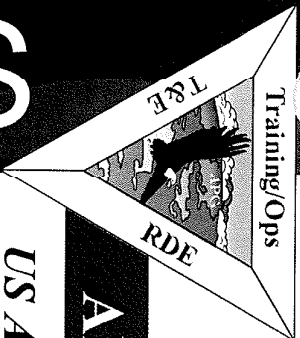
- ROLE:**
- Efficient Destruction of all Chemical Warfare and Related Material and Safe and Secure Storage of the Chemical Stockpile and Recovered Chemical Warfare Material, Ensuring Maximum Protection of the Public, the Personnel Involved in the Destruction Effort, and the Environment
 - Compliance With the International Chemical Weapons Convention (CWC)
 - Chem/Bio Defense and Smoke/Obscurant Industrial Base Missions at Pine Bluff Arsenal
 - Closure of the Chemical Agent Disposal Facilities and Chemical Stockpile Storage Areas
 - Assistance to Nations of the Former Soviet Union



- Manage:**
- 8 Chemical Stockpile Storage and Chemical Demilitarization Sites
 - Pine Bluff Arsenal to Provide Specialized Ammunition and Chem/Bio Defense Products and Technical Services
 - Cooperative Threat Reduction Program to Prevent Proliferation and Encourage Reduction of WMD.
 - Chemical Stockpile Emergency Preparedness Program to Augmenting Existing Emergency Preparedness in Communities Near Chemical Stockpile Sites.
 - Closure of the Chemical Agent Disposal Facilities and Chemical Stockpile Storage Areas

MISSION





US Army Chemical Materials Agency

APG Synergy

US Army Research, Development & Engineering Command *US Army Center for Health Promotion & Preventive Medicine*
US Army Materiel Systems Analysis Activity

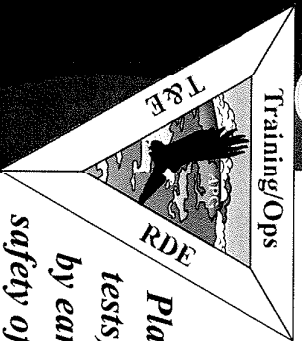
Global Linkages

Organization for the Prohibition of Chemical Weapons
Defense Threat Reduction Agency
Department of State
National Research Council
Environmental Protection Agency
Department of Health and Human Services
Department of Energy
Departments of Army and Defense
National Security Council



ALLIANCES



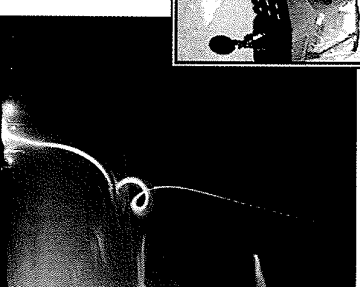
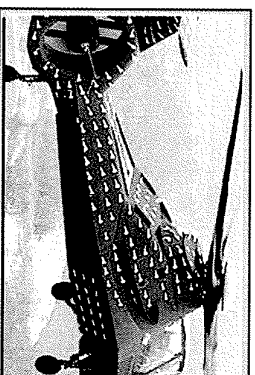


US Army Developmental Test Command

Plan, conduct, and report tests (including developmental, production, live fire and other tests) across the full spectrum of environments; Assure successful Operational testing (OT) by early integration of Developmental Test (DT), OT and evaluation activities; Verify the safety of Army systems; Develop and procure new test technology, test instrumentation, and selected models and simulations; Assure that the DT range infrastructure is responsive to the needs of the Army; and Provide support, expertise and test resources to operational missions

PROFILE:

- Five million acres (32% of the Army's Land)
- R&D Facilities - approximately 3,000
- Roads - over 4,000 miles
- Plant Replacement Value - over \$4 billion
- Technical Direction of ~ 1,800 Tests per year for Tri-Service customers
- Headquarters DTC Commands:
 - 3104 Civilians + 69 Military + 3263 Contractor Work Years
 - Annual Budget approximately \$1 Billion
 - Experience - 24 Average years of Service
 - 21 Average years of specific T&E Experience

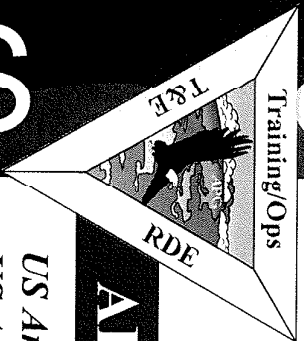


- ROLE:**
- Technical lead for Developmental Testing of Army and selected DOD Systems

- Technical verifier for the Army for System Safety prior to OT and Fielding
- R&D technical staff to develop and manage test instrumentation and test technology investments
- Budget and test center support staff directs Army's development test mission
- Manage Headquarters – One 1-Star General, Two SESS
- Command of 11 Test Centers/Sites

MISSION





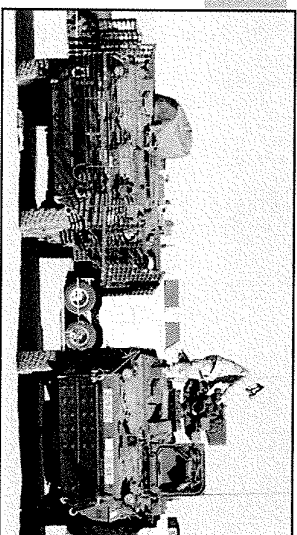
US Army Developmental Test Command

APG Synergy

- | | |
|--|---|
| <i>US Army Research Laboratory</i> | <i>US Army Ordnance Center & School</i> |
| <i>US Army Environmental Center</i> | <i>US Army Research Development & Engineering Command</i> |
| <i>US Army Aberdeen Test Center</i> | <i>US Army Materiel Systems Analysis Activity</i> |
| <i>US Army Medical Research Institute of Chemical Defense</i> | <i>PM Obscurants</i> |
| <i>US Army Evaluation Center</i> | <i>PM Future Combat Systems Combined Test Organization</i> |
| <i>US Army Center for Health Promotion & Preventive Medicine</i> | <i>APG Science & Technology Board</i> |

Global Linkages

- US Air Force*
- US Navy*
- US Marine Corps*
- Program Executive Offices*
- Program / Project Offices*
- Foreign Military Sales*
- T & E Memorandums of Understanding with Canada, France and Australia*
- US Army Research Development and Engineering Centers*
- Harford County (MD) Office of Economic Development*
- Northeastern Maryland Technology Council*
- Maryland Technology Development Corporation*



ALLIANCES



Training/Ops

T&E

RDE

US Army Developmental Test Command

PRODUCTS



Safety Verification

- JLENS Rapid Aerostat Initial Deployment System
- Black Hawk HH60-L MEDEVAC
- Multiband Inter/Intra Team Radio
- TOW Bunker Buster
- HIMARS
- Towed Volcano
- Rapid Fielding Equipment



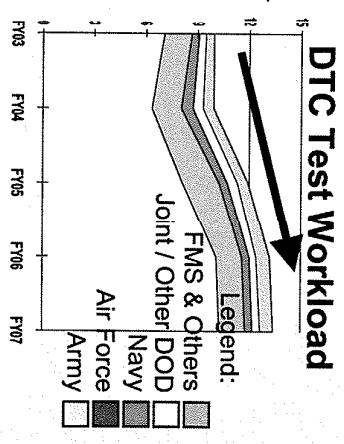
Supports Homeland Defense

Test & Training

- Dry Filter Unit Agent Test
- Chemical Biological Sensors Focus Area
- Low Cost Air Delivery Capability
- Biological Agent Training
- Bioterrorism Agents Environmental Contamination
- Bioforensics Demonstration Application Program
- Advanced Chemical Biological Training Support

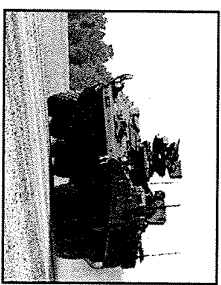


395 Safety Releases
 205 Safety Confirmations
 78 Urgent Materiel Releases



Transformation

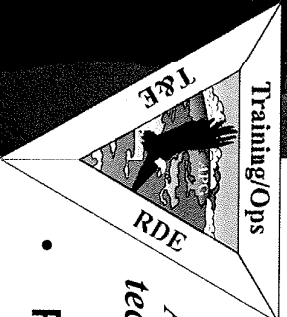
- Stryker
- Network Interoperable System of Systems Testing
- Comanche
- Joint T&E Programs
- Joint Test & Training Linkage
- AF/Navy/USMC/Custom Support
- Leader for M&S/Distributed Testing



Evolving to Support FCS



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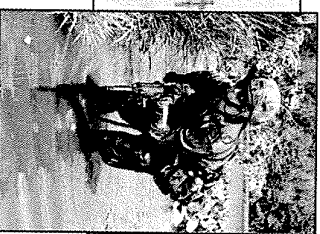
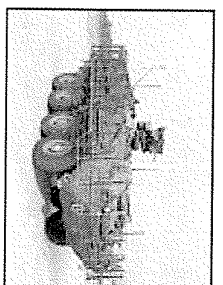


US Army Aberdeen Test Center

Assure Warfighter and customer success by providing: expert knowledge & technical services, real & simulated test and training services, instrumentation & technical facilities, experimental fabrication capabilities

Profile:

- Funding
 - \$150M Annual operating budget
 - 70% Customer Reimbursements
 - 30% Institutional Funding
- Personnel
 - 788 Civilian, 29 Military, 811 Contractor



Roles

- Plan and conduct developmental tests, including endurance, performance, nuclear effects, and full scale live-fire vulnerability tests of systems and components to include:
 - Combat and tactical vehicles, large and small caliber weapons, armor, ammunition, general support equipment, individual soldier clothing/ equipment, bridges, sensors, communication systems, robotics, surface and underwater marine systems/ships, military environmental technologies
- Provide air, land, and sea test and training support to the joint warfighter.
- Develop test and training procedures, methods, and instrumentation to meet the needs of advancing technologies in support of the joint warfighter.
- Most diverse & complete one stop test capability in the world
- Supports land, littoral and air strike at APG
- Providing test knowledge and services worldwide
- Postured to support distributed testing needed for Future Force efforts with rapid deployment
- Enabler of Rapid Fielding Initiative

DoD lead test agency for:

Land vehicles
Guns/Munitions –Direct Fire

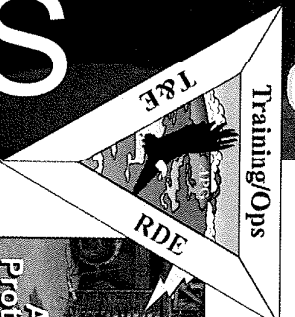
Army Lead for:

Congressionally- mandated
Live Fire Testing Non-Lethal Weapons
Electric Armaments and Equipment

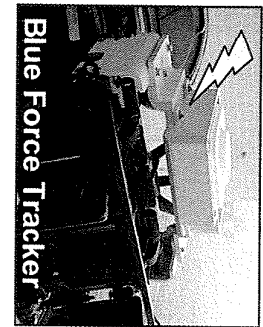
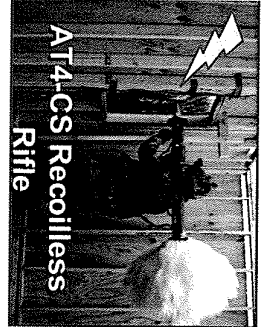
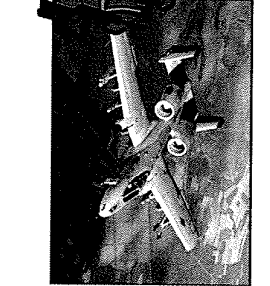
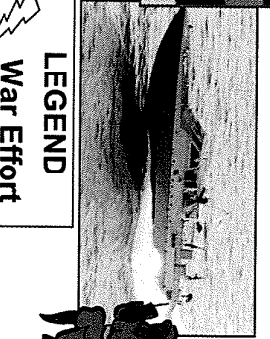
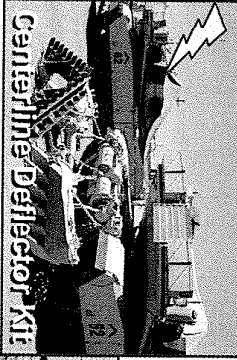
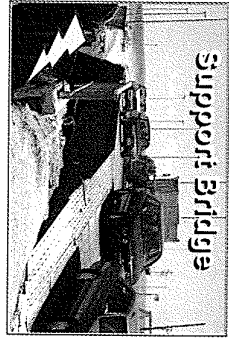
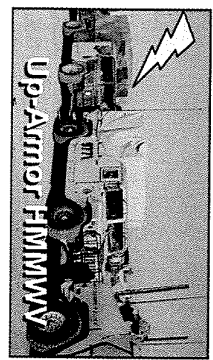
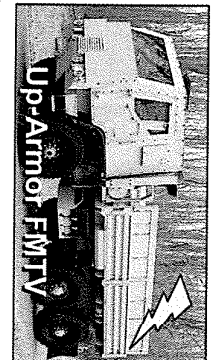
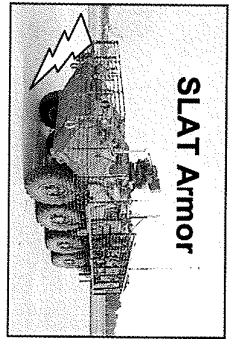
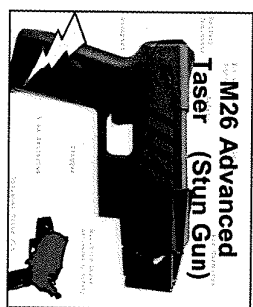
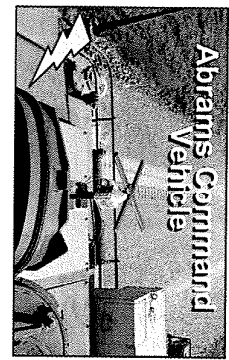
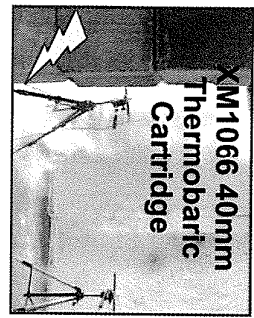
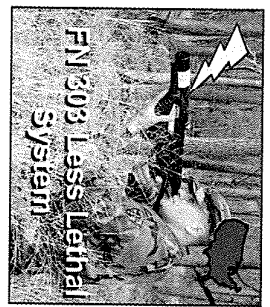
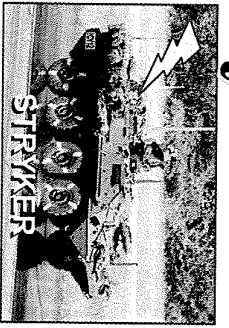
MISSION



US Army Aberdeen Test Center



PRODUCTS



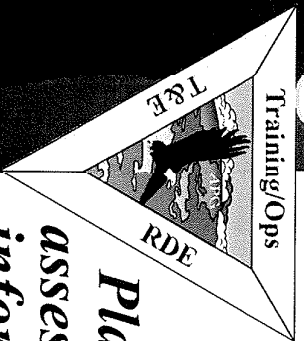
LEGEND

- War Effort
- Homeland Defense
- Training

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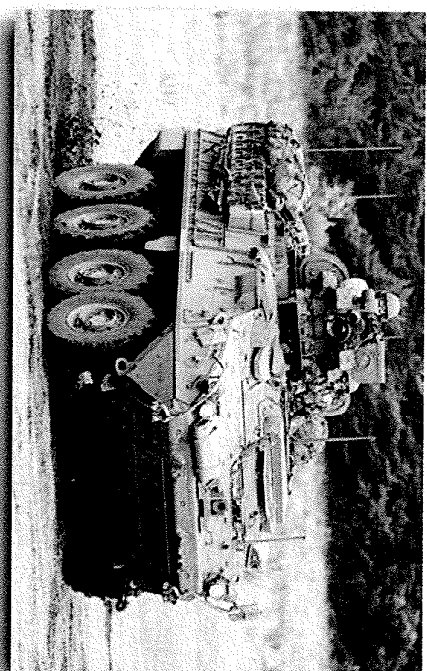


US Army Evaluation Center

Plans and conducts independent evaluations and assessments of acquisition programs to provide essential information to key Department of Defense decision makers

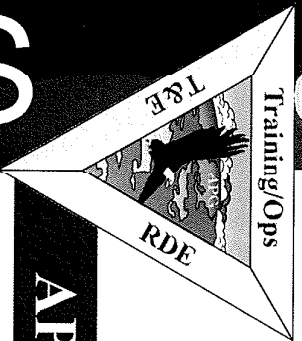
PROFILE:

- APG Site:
- 338 personnel
- 283 Civilian
- 29 Military
- 26 On-site Essential Contractors
- Alexandria, VA Site (Leased Space)
- 190 Civilians
- 136 Military





ALLIANCES



US Army Evaluation Center

APG Synergy

Survivability and Lethality

Analysis Directorate

Weapons and Materials Research

Directorate

US Army Research, Development

& Engineering Command

Human Research & Evaluation

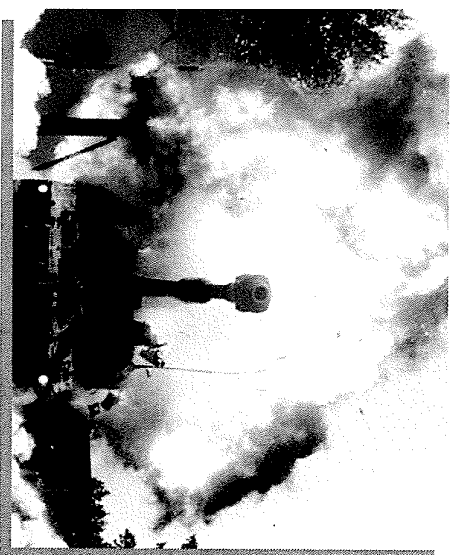
Directorate

Future Combat System Combined

Test Organization

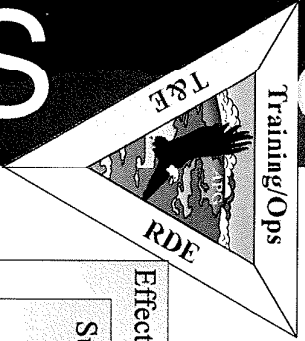
US Army Developmental Test Center

US Army Materiel Systems Analysis Activity

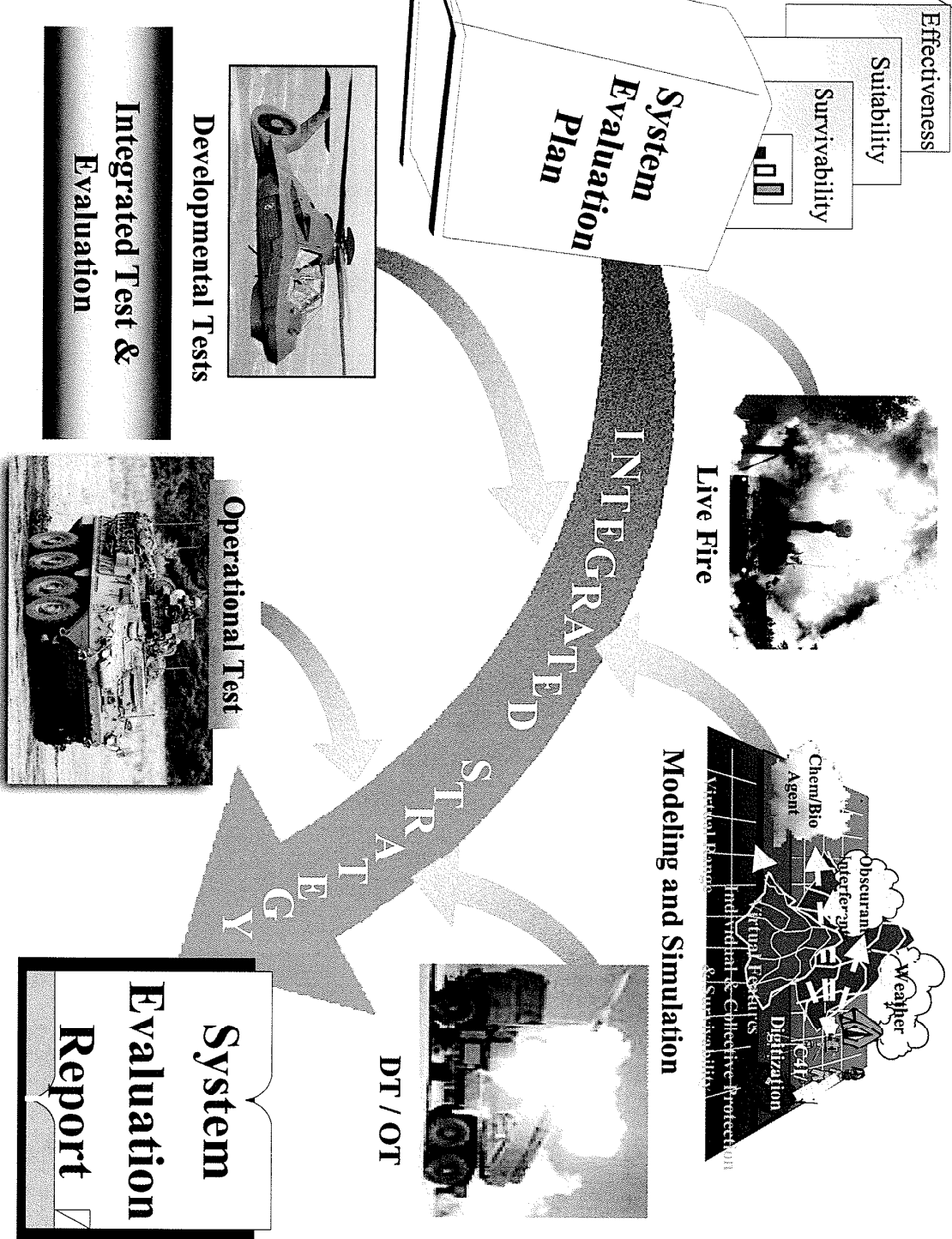


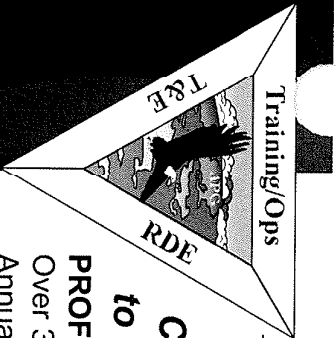


PRODUCTS



US Army Evaluation Center





MISSION

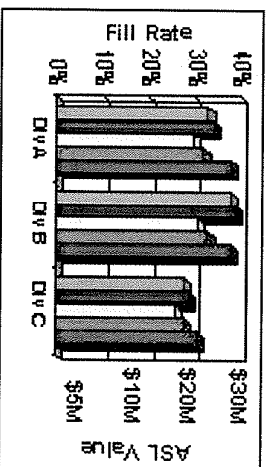


US Army Materiel Systems Analysis Activity

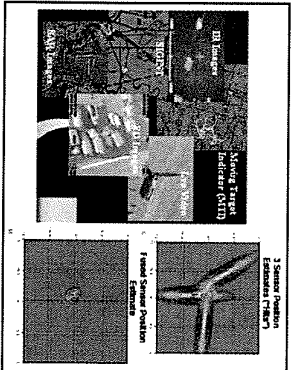
Conduct responsive and effective materiel and logistics systems analyses to support decision making for equipping and sustaining the U.S. Army

PROFILE:

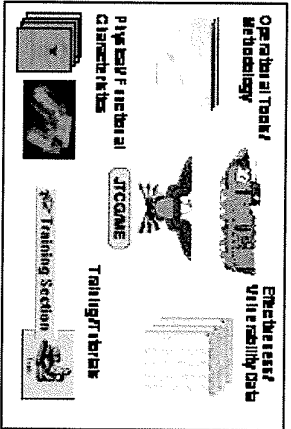
- Over 300 civilians – primarily operations research analysts and engineers
- Annual operating budget of \$45M+
- Analysis of performance, effectiveness, and logistics of critical Army weapon systems
- Direct impact on Combatant Commanders requirements via JTCG/ME
- Regular analyses of Joint systems
- Numerous multi-national exchanges



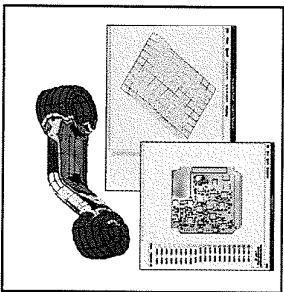
CAI



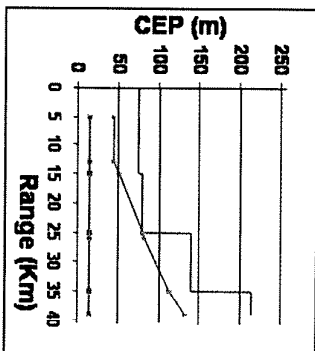
Joint Methodology & Data



Reliability

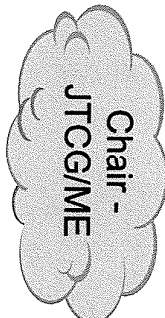
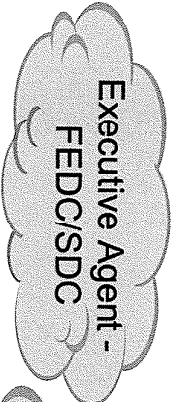


Performance & Effectiveness

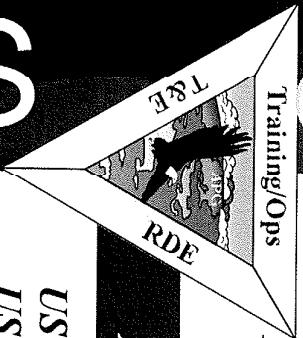


ROLE:

- Army's Center for Systems Analysis & as such authoritative source of system performance & effectiveness analysis & data generation/certification
- Logistics and resource analysis
- Reliability analysis
- M&S development and VV&A
- Industrial base data automation and analysis
- Workload based staffing analysis



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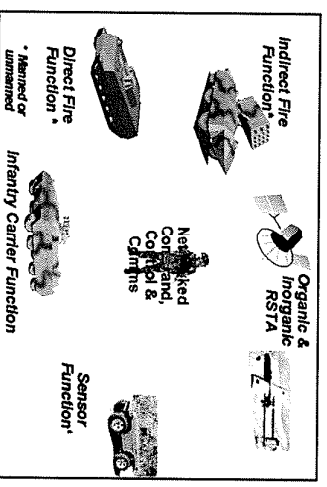
US Army Materiel Systems Analysis Activity

APG Synergy

- US Army Research Laboratory*
- US Army Test & Evaluation Command*
- US Army Ordnance Center & Schools*
- US Army Chemical Materials Agency*
- US Army Research, Development & Engineering Command*
- APG Business Development Office*

Global Linkages

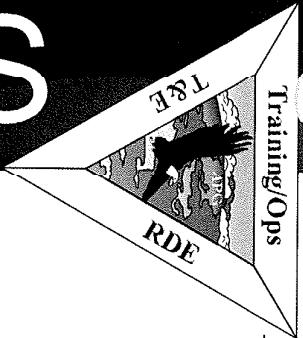
- Chair of JTCG/ME Steering Committee*
- Numerous multi-Service/multi-National analytical efforts (JCM, JTRS, ...)*
- TTCP - National Representative for Joint Systems & Analysis Group (JSA)*
- Technical Project Officer for multiple Data Exchange Agreements (DEA)*
- Secretariat of North American Technology & Industrial Base Organization (NATIBO)*
- Member of QWG Army Operations Research & Industrial Base Programs*
- Engineer and Scientist Exchange Program*
- AMC Major Subordinate Commands*
- TRADOC*
- Center for Army Analysis (CAA)*
- FORSCOM*
- Combatant Commanders*
- PEOs/PMS*
- Physics of Failure Consortia*
- Academia*



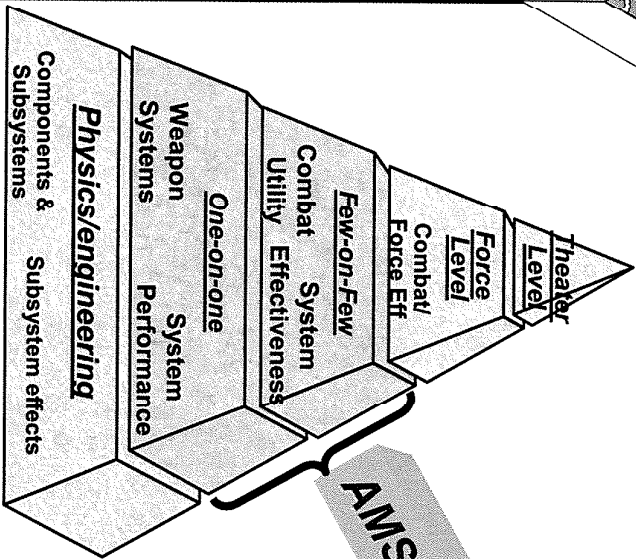
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PRODUCTS

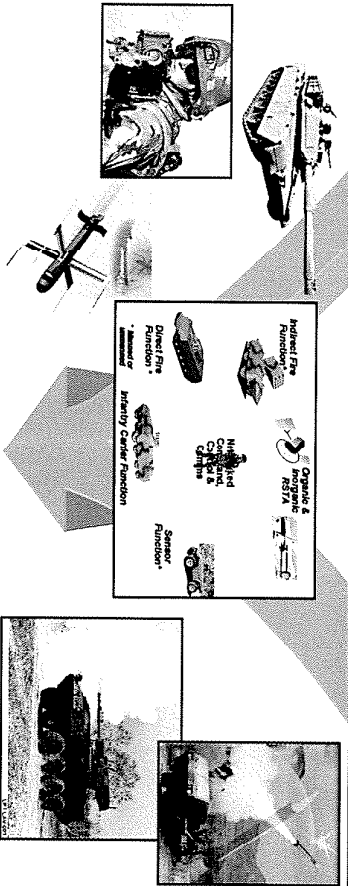


US Army Materiel Systems Analysis Activity



AMSAA

Materiel Issues	Logistic Issues
<ul style="list-style-type: none"> Lethality Delivery Accuracy Combat Identification Mobility Target Acquisition Active Protection Vulnerability 	<ul style="list-style-type: none"> Consumption demand Level of repair War Reserve rqrmts Core depot Industrial Base Prognostics Pulse Reliability

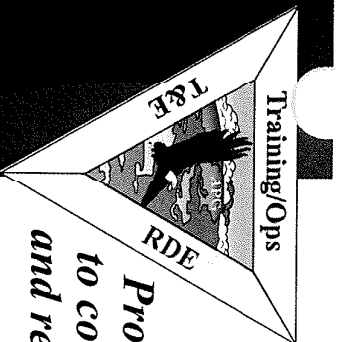


Integrated capabilities analyzing materiel & logistics issues across the full spectrum of materiel in support of Army Transformation

Command & Control	Digitization
Target Acquisition	Wide Area Surveillance
Dismounted Infantry	Mechanized Infantry
Armor	Artillery
Aviation	Air Defense

Supporting OEF & OIF

- ✓ Logistics data collection on selected deployed weapon systems in Iraq
- ✓ Danger close methodology & calculations for soldiers in Iraq
- ✓ Utilization of JTCG/ME data



US Army Center for Health Promotion & Preventive Medicine

Provide health promotion and preventive medicine leadership and services to counter environmental, occupational and disease threats to health, fitness and readiness in support of the National Military Strategy

MISSION



PROFILE:

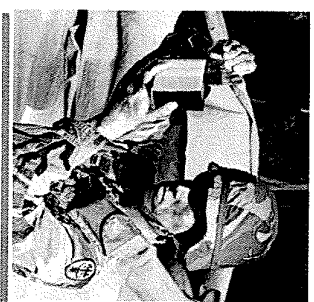
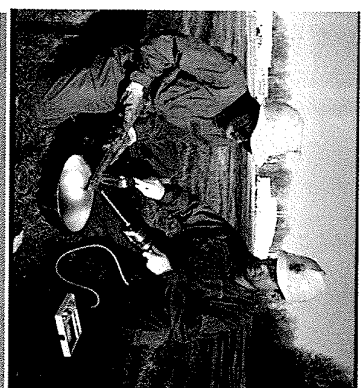
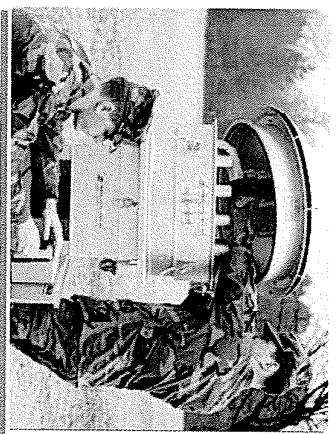
- Over 750+ military, civilians, and contractors
- \$105 M annual budget
- Worldwide Mission and Response Team capabilities
- Future construction of a 514,000 sq. ft. complex programmed for FY07

ROLE:

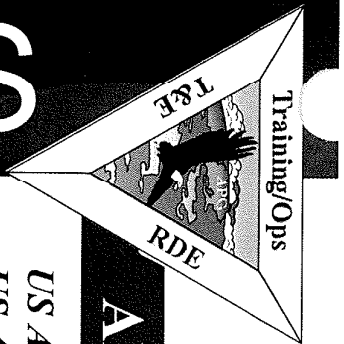
- Public Health and Wellness consultants for the Army
- Expertise in field preventive medicine, environmental and occupational health, health promotion, epidemiology and disease surveillance, toxicology, and related laboratory sciences
- Homeland Defense/Homeland Security Consequence Management
- Health Risk Communication

Manage:

- Matrixed scientific consultants in 14 buildings
- Specialized Facilities:
 - Analytical Chemistry Laboratories
 - Radiochemistry Laboratory
 - Entomology Laboratory
 - Soils Laboratory
 - Molecular Biology Laboratory (PCR)
 - Anechoic Chamber
 - Serum Repository
 - Toxicology Laboratory
 - Sensitive Compartmented Information Facility (SCIF)
- Defense Occupational & Environmental Health Readiness System



Environmental Health Monitoring



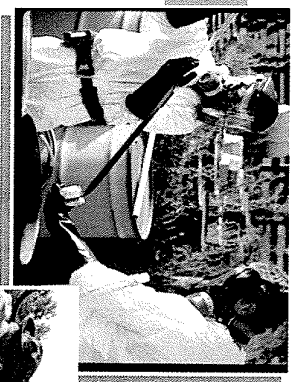
US Army Center for Health Promotion & Preventive Medicine

APG Synergy

- US Army Research Laboratory*
- US Army Environmental Center*
- US Army Chemical Materials Agency*
- US Army Medical Research Institute of Chemical Defense*
- US Army Ordnance Center & Schools*
- US Army Research, Development & Engineering Command*
- US Army Developmental Test Command*
- US Army Aberdeen Test Center*
- 520th Theater Army Medical Lab*

Global Linkages

- NIH*
- NIST*
- DOE*
- EPA*
- FDA*
- USAF Occupational Health Lab*
- Center for Disease Control & Prevention*
- US Navy Environmental Health Center Northern Command*
- Uniformed Services University of Health Sciences*
- Johns Hopkins University*
- Harford Community College*
- Higher Education & Applied Technology (HEAT Center)*



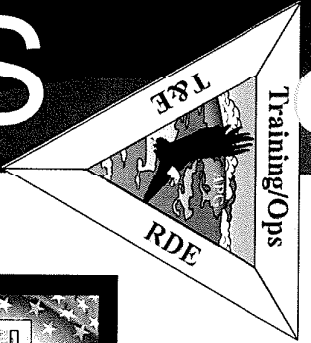
Environmental Health Monitoring



ALLIANCES



PRODUCTS

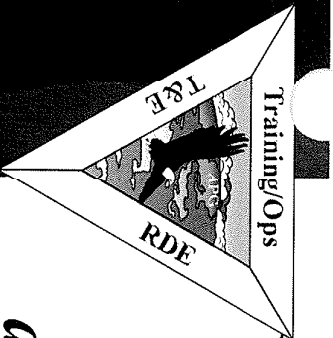


US Army Center for Health Promotion & Preventive Medicine

The collage includes the following items:

- Supporting Our Deploying Soldiers**: A report cover with the text "Health Information Operations" and "Influenza Vaccine".
- Pentagon Attack**: A report cover with the text "Consequence Management".
- DU Capstone Report**: A report cover showing a military vehicle.
- Mold Prevention Campaign**: A photograph of a moldy surface.
- Heat Can Kill!**: A report cover with the text "Injury Surveillance and Control".
- Fit and Ready Force**: A photograph of two soldiers running.
- Comprehensive Laboratory Capabilities**: A photograph of a laboratory setting.
- MSMR**: A report cover with the text "Medical Surveillance".
- GIS**: A large graphic with the text "GIS Plotting and Analysis".
- ACHPPM**: A report cover with the text "Dog Human Tick Testing".
- Molecular Biology Lab PCR Analysis**: A report cover with a spider image.
- Environmental Health Engineering**: A report cover with a laboratory image.
- HOAH 4 HEALTH**: A report cover with the text "Guard and Reserve Unit Preventive Medicine Education".
- Epidemiological Investigations**: A photograph of two people talking.
- Homeland Security**: A photograph of a person in a white protective suit.
- ERGONOMICS**: A photograph of a soldier in full combat gear.

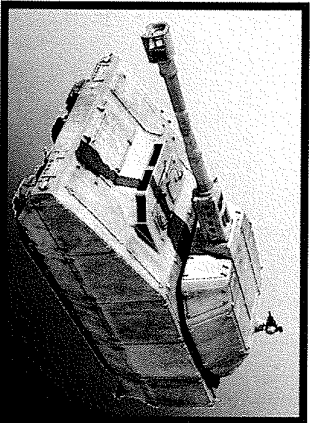
Draft Deliberative Document - For Discussion Purposes Only
Do Not Release Under FOIA



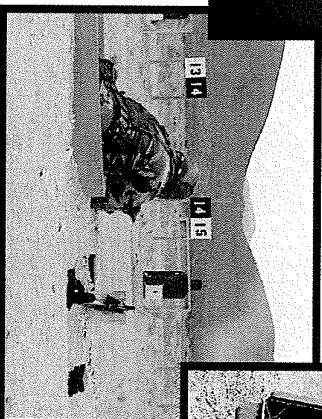
US Army Environmental Center

Provides environmental program management and technical support products and services in support of Army training, operations, acquisition and sound stewardship

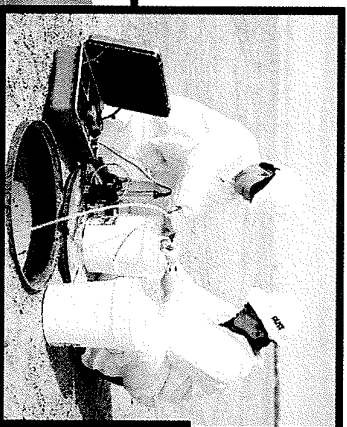
MISSION



Environmental analyses of new systems



Sustainable training lands

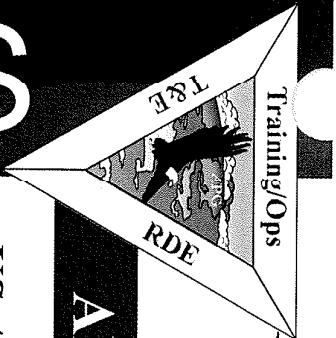


Clean up



Green Bullets





US Army Environmental Center

APG Synergy

- US Army Center for Health Promotion & Preventive Medicine*
- US Army Aberdeen Test Center*
- US Army Research Laboratory*
- US Army Developmental Test Command*
- US Army Chemical Materials Agency*
- US Army Research, Development & Engineering Command*
- National Guard*

Global Linkages

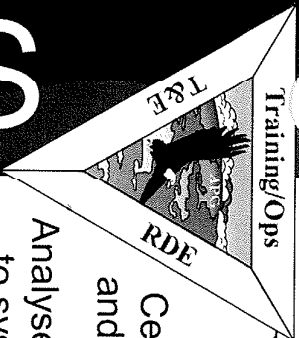
- US Army Corps of Engineers*
- Fish & Wildlife Service*
- Bureau of Land Management*
- Forest Service*
- Naval Facilities Engineering Service Center*
- Army Environmental Policy Institute*
- Department of Agriculture*
- Air Force Center for Environmental Excellence*
- Natural Resources Conservation Service*

ALLIANCES





PRODUCTS



US Army Environmental Center

Centralized management of environmental cleanup at Army active and Base Realignment and Closure installations.

Analyses of weapons systems under development and technical support to systems developers to identify environmental life-cycle costs.

Program management and technical analysis for requirements and fielding of environmental technologies.

Program management and technical support for implementation of Army compliance, pollution prevention, and cultural resource initiatives and programs.

Technical support and oversight services for natural resource and pest management programs at installations.

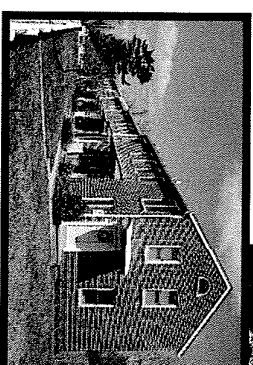
Develop and operate Army environmental reporting systems and manage environmental data.

Support to minimizing mission constraints on Army ranges arising from environmental issues; ensures the Army's land base is sustainable for soldier training and weapons testing.

Federal/state legislative and regulatory review, monitoring analysis, and commentary to ensure proposed environmental laws/regulations do not adversely impact Army training or operations, or significantly increase environmental compliance costs.



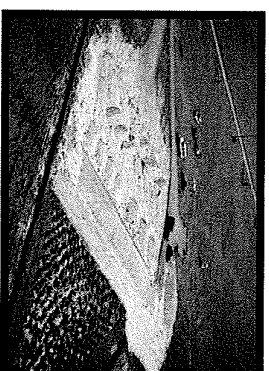
Kings Creek investigation



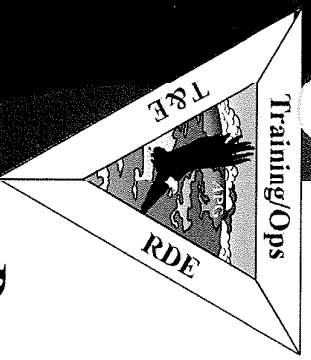
Historical Capehart-Wherry Housing at APG



Natural Resources Conservation



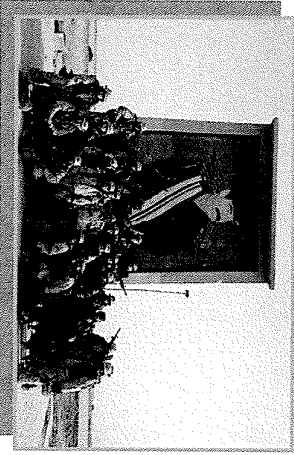
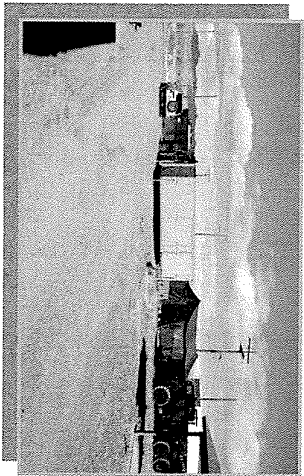
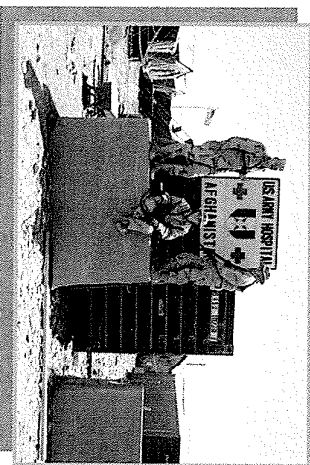
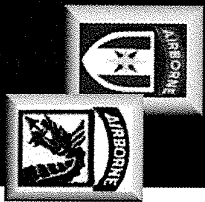
Unexploded Ordnance Demonstration Test Site at APG

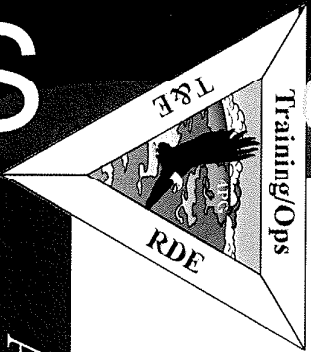


520th Theater Army Medical Laboratory

Deploy world-wide and conduct biological, chemical, nuclear, occupational health, and endemic disease threat surveillance at the theater level to protect and sustain the health of the force across the full spectrum of military operations

MISSION





520th Theater Army Medical Laboratory

APG Synergy

- US Army Medical Research Institute of Chemical Defense*
- US Army Center for Health Promotion & Preventive Medicine*
- US Army Research Development & Engineering Command*

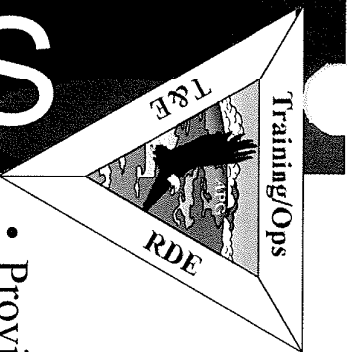
Global Linkages

- WRAIR*
- NEHC*
- USAMRIID*
- AFMIC*
- JPEO-CBD*
- AFRRI*
- JESWG*

The TAML brings the expertise of the fixed facility laboratories to the battlefield through PROFIS attachments, reach back, unique training opportunities and state-of-the-art analytical capabilities

ALLIANCES



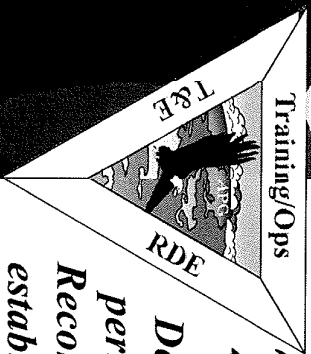


520th Theater Army Medical Laboratory

- Provides confirmation analysis for identified bio warfare agents, chemical agents and toxic industrial chemicals -- under chain of custody to provide forensically defensible results
- Rapid verification and assessment of detection platform (BIDS, JBPPDS, FOX, HHA, CDE instruments) results, following warnings and alarms
- Provides state-of-the-art technologies equivalent to those used at the US Army Research Institute of Infectious Disease (RIID), Institute of Chemical Defense (ICD) and Center for Health Promotion and Preventive Medicine (CHPPM)
- Provides BSL3 trained and experienced staff capable of high volume thru-put and sample surge capacity for WMD and force health protection samples
- Provides reference lab capabilities for endemic disease, with capability of safely handling potentially infectious specimens and vector surveys/analysis

PRODUCTS





203d Military Intelligence Battalion

Deploys Technical Intelligence (TECHINT) teams upon mobilization during periods of hostilities, war, etc., to conduct battlefield assessment (Technology Reconnaissance) of captured enemy weapons, equipment, and other materiel; establish the Captured Materiel Exploitation Center (CMEC), which is the Army component base for the establishment of a Joint Captured Materiel Exploitation Center (JCMEC) when called to do so, and shall provide technical intelligence information and training for joint and component commanders

PROFILE:

- Only TECHINT unit in the US Armed Forces
- Only providers of Foreign equipment training to US Forces, DOD Civilians, International Military, and specialized agencies personnel
- Continuous Joint training with Military and Civilian personnel on TECHINT operations

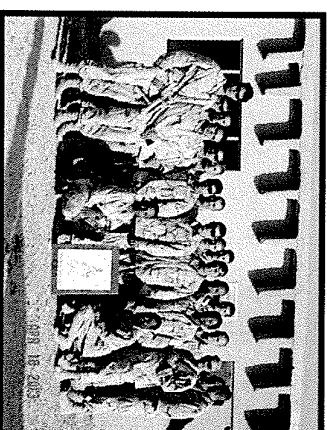
ROLE:

- Collect modified or high-priority foreign weapons and equipment
- Provide Technical Intelligence to all the US Services, and civilian agencies, to include DIA, FBI, CIA, NGIC, and MSIC
- Warehouse, organize, and disseminate captured materials to requesting agencies or services

Manage:

- 1 Active Duty Company, 3 Reserve Companies
- 6 TECHINT Teams, 2 active and 4 reserve
- CM&D platoon and Warehouse operations Platoon
- Create and Instruct only Foreign Weapons and Vehicles course taught in the US Army

MISSION



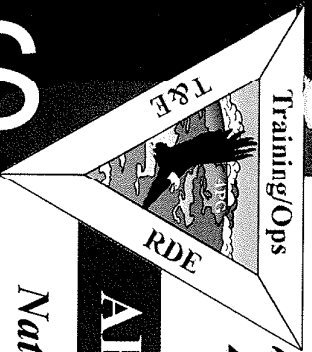
203d Military Intelligence Battalion

APG Synergy

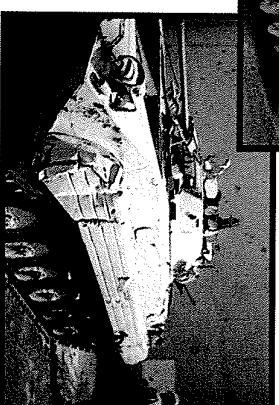
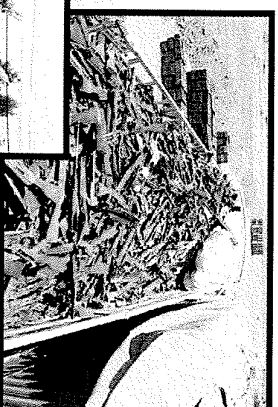
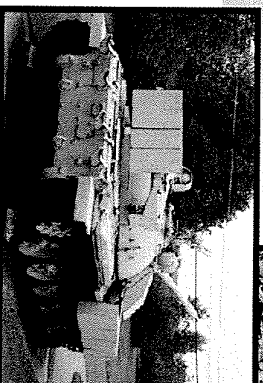
*National Ground Intelligence Center
Materiel Operations Division
US Army Aberdeen Test Center
Phillips Army Air Field*

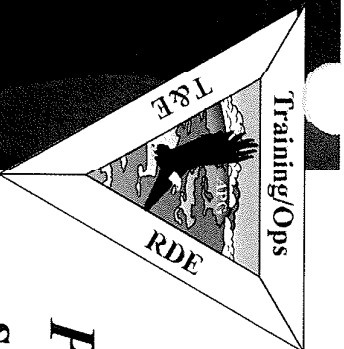
Global Linkages

*Foreign Intelligence Agencies
All branches of the US Forces
CIA
FBI
Defense Intelligence Agency
National Security Agency
Missile and Space Intelligence Center
National Ground Intelligence Center
Central Command
European Command
Pacific Command*



ALLIANCES





Northeast Civilian Personnel Operations Center

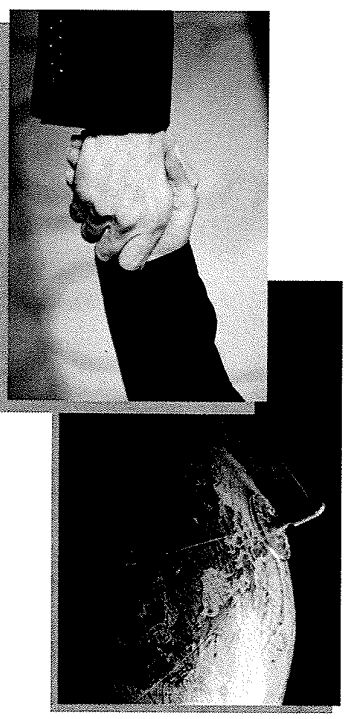
*Provide timely, accurate Human Resources
services to the region's 40,000 civilians*

PROFILE:

- 293 employees
- \$19.4M budget
- Partnership with 20 local HR Advisory Centers

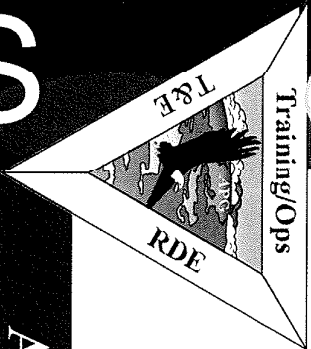
ROLE:

- Exercise delegated personnel management authority from serviced commanders to provide a variety of human resource services and advice
- Manage Central Resume Processing Center - processes resumes for all of DA civilians, world-wide
- Responds to inquiries world-wide



MISSION

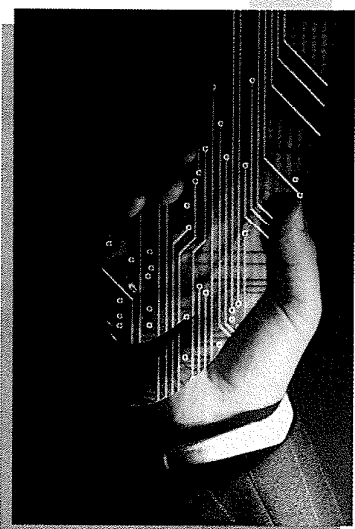




Northeast Civilian Personnel Operations Center

APG Synergy

All of APG
Civilian Human Resources Agency
Civilian Personnel Advisory Center



Global Linkages

20 Installations in NE Region:

- Pentagon
 - West Point
 - Army War College
 - 6 USACE Districts in the North Atlantic Division
 - Multiple Research & Development Activities
 - 2 Power Projection Platform Installations
- Labor Organizations
EEOC

DA Worldwide:

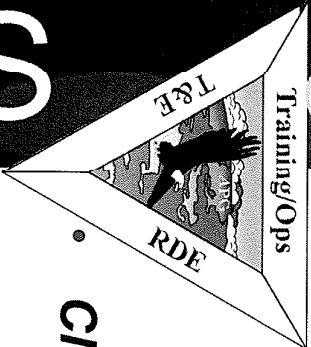
- HQ DA
 - Most DA MACOMS
 - 11 MSCs
- OPM
Congressional Offices
DoD Elements

ALLIANCES





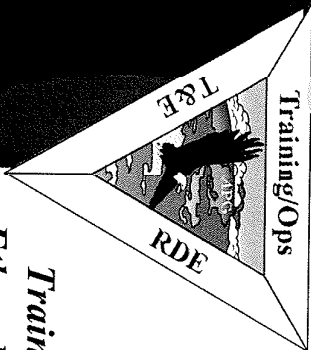
PRODUCTS



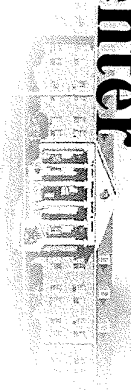
Northeast Civilian Personnel Operations Center

- *Classified/authenticated position descriptions*
- *Job announcements/lists of qualified candidates*
- *Implementation of realignments/reorganizations*
- *Implementation of reductions-in-force*
- *Authentication/processing of personnel actions*
- *Automated HR data base/tools maintenance*
- *Responses to inquiries on resume processing*
- *Responses (phone/e-mail) from Public/Federal employees*





US Army Ordnance Mechanical Maintenance School & Center



Train Ordnance soldiers in technical skills, values, common tasks and the Warrior Ethos. Prepare them to immediately contribute to the successful accomplishment of their unit's mission and to survive and operate effectively in a tactical environment. Develop Ordnance NCOs, Warrant Officers and Officers as leaders of character, who are technically and tactically competent, and able to effectively operate in a tactical environment

PROFILE:

- Interservice, interagency, international school
- Second largest branch in the Army
- 106 courses during normal operations with 73 additional courses ready to be implemented during mobilization, with 12,123 Army, Navy, Marine and Air Force graduates annually
- Total graduates: Army 8,830, Marines 898, Air Force is 409, Navy 10, and SMPT 1,976
- 97 buildings, 2.1M total square feet, the largest training facility is nearly 290K square feet
- Ordnance Museum with 12,900 artifacts

ROLE:

- Conduct Ordnance Advanced Individual Training, and Officer, Warrant Officer and Non-Commissioned Officer Basic and Advanced Courses
- Provide basic, specialized, and advanced packaging training for DOD personnel.

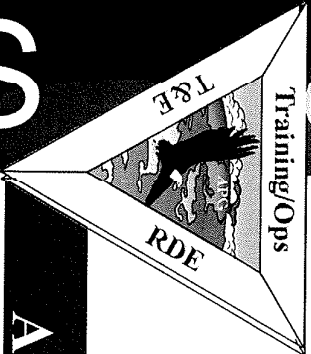
CORE COMPETENCIES
Train Soldiers & Develop Leaders
Integrate Systems & Materiel
Develop Doctrine & Organizations

MISSION

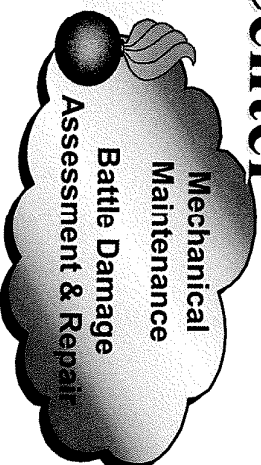




ALLIANCES



US Army Ordnance Mechanical Maintenance School & Center



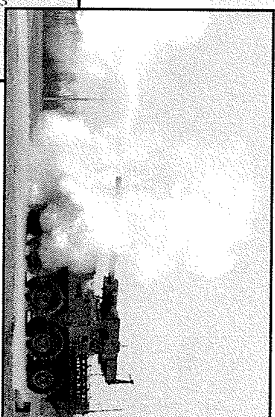
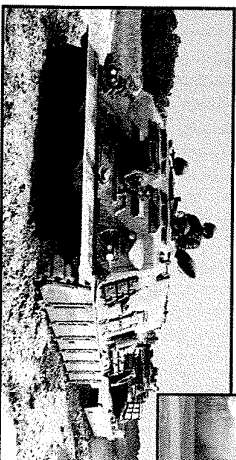
APG Synergy

- US Army Research Laboratory
- US Army Developmental Test Command
- US Army Aberdeen Test Center
- US Army Developmental Test Center
- US Army Center for Health Promotion & Preventive Medicine
- 520th Theater Army Medical laboratory
- Maryland National Guard
- US Air Force Detachment
- US Marine Corps Detachment
- Technical Escort Unit
- 1st Recruiting BDE
- International Students
- Harford Community College

Global Linkages

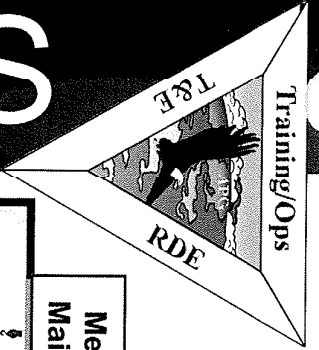
Graduates assigned throughout the Major Army / Navy / Marine / Air Force Commands and serve world-wide

OC&S HQ Commands and Controls Ordnance training in 9 states outside Maryland



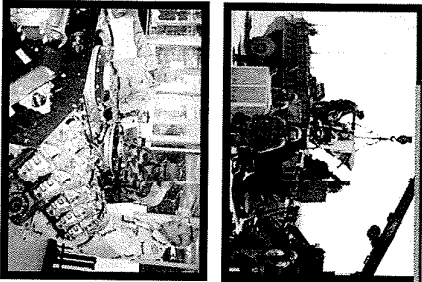


PRODUCTS



US Army Ordnance Mechanical Maintenance School & Center

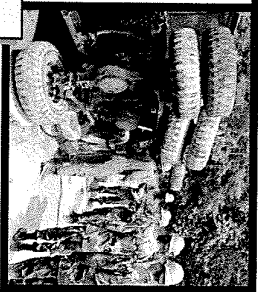
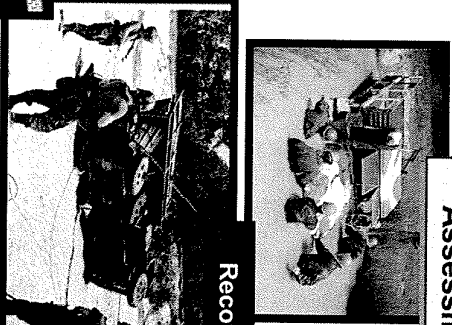
**Mechanical
Maintenance**



**Battle Damage
Assessment & Repair**



Recovery



Weapons

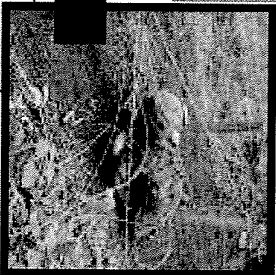


**Joint
Services**

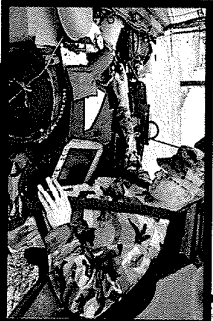


**School of Military
Packaging
Technology**

Stryker



Diagnostics



Metalworking



Soldier Skills



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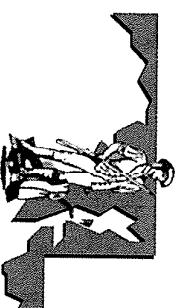
Training/Ops

T&E

RDE

Maryland National Guard

Federal: Maintain properly trained and equipped units available for prompt mobilization for war, national emergency or as otherwise needed.



State: Provide highly trained personnel, equipment, and facilities capable of protecting life and property and preserving peace, order, and public safety and support the state of Maryland in a comprehensive, risk-based emergency management program of mitigation, preparedness, response and recovery.

PROFILE:



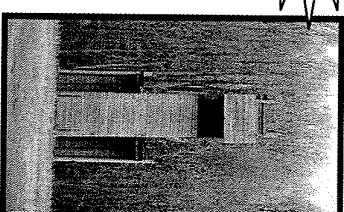
Baxter AASF
70 PER,
33 Rotary Wing
RECON & Air
Interdiction
(Counterdrug)

7 Units 29 ID(L)

3 Other Units

457 Traditional
Guardsmen

More than 150
Vehicles

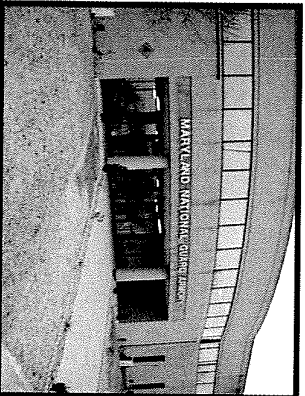


Lauderick Creek
Training Site

400 Events in FY03

Trained / Supported
MDARNG Ground
and Air units, USAR,
USMCR, SOCOM
units, ROTC, TEU,
ARL, OMMS

Weide Heliport
Operated and
Maintained by
the MDARNG



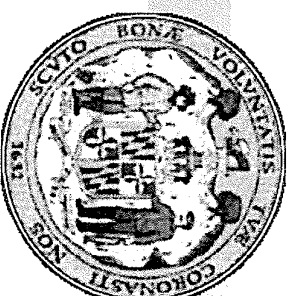
MISSION



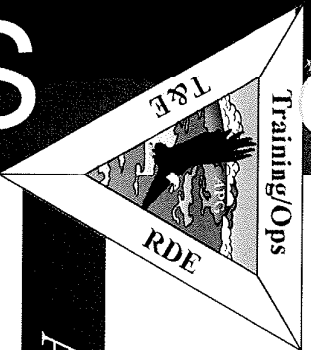
Maryland National Guard

APG Synergy

- AC Units**
- US Army Ordnance Center & Schools**
- Weide Army Heliport**
- Phillips Army Air Field**
- Challenge – Military Youth Corps**
- US Army Research Laboratory**
- US Army Technical Escort Unit**
- US Army Reserve**
- Law Enforcement**
- Fire Department**
- Local School Districts**
- Local Firms**
- Harford Community College**
- Lauderick Creek Training Site**
- ROTC**

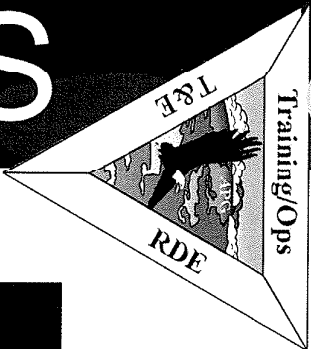


ALLIANCES





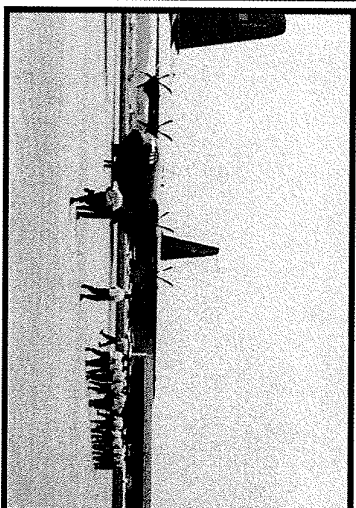
PRODUCTS



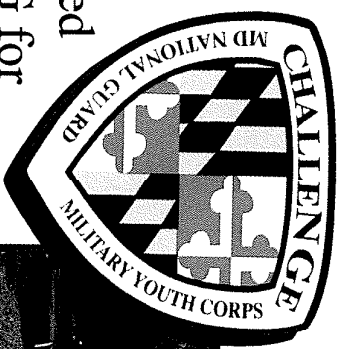
Maryland National Guard



More than 1500 graduates and nearly 1200 GEDs



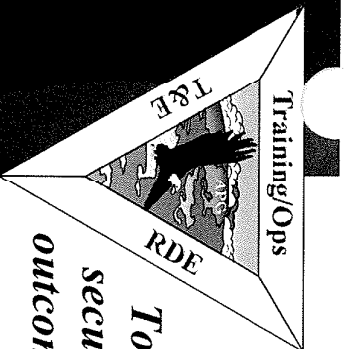
MDNG runs five-month military-oriented residential programs for at-risk youth, 16 – 18, who wish to change their lives.



Hosted by APG for 10 Years



Staffed by state employees with professionals from Harford Community College



Kirk US Army Health Clinic

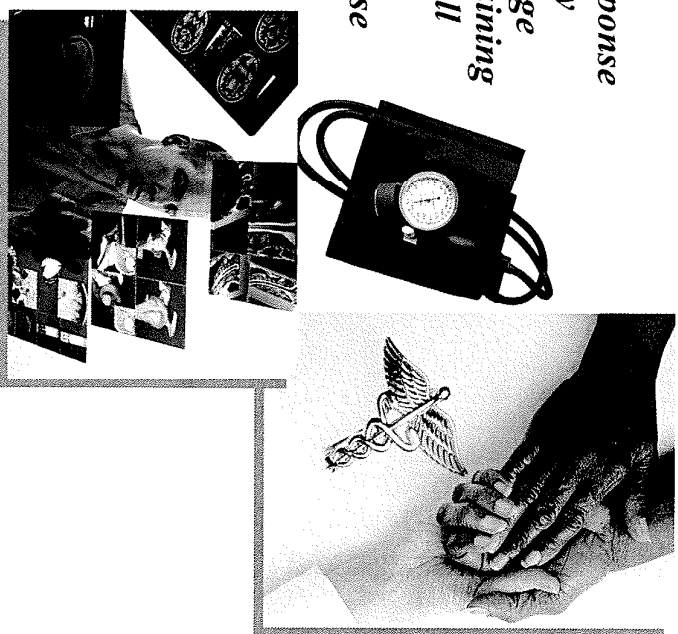
To ensure individual and collective readiness in support of national security objectives and to provide ready access to quality, comprehensive, outcomes-based primary, specialty, and ambulatory surgical care

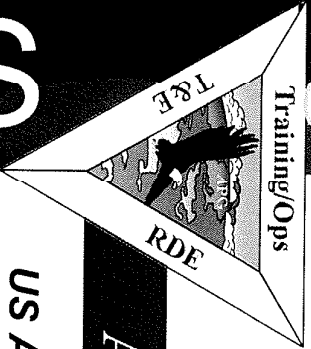
If mission and readiness require it, primary care assets are diverted from providing health services to other than active duty personnel to meeting the readiness requirements of active duty personnel. In contingency situations, other than active duty patients are referred to the TRICARE Network for medical care.

For short term disasters/emergencies, we have an Emergency Preparedness Plan that provides for the response to a variety of disaster situations. Responses would vary depending on the magnitude of the emergency, and range from deploying team(s) to the incident site while maintaining near normal operations at the clinic to closing Kirk to all patients except disaster related care.

Kirk has the ability to expand services through the use of existing physician contracts, extended work days, expanding operating hours to weekends and holidays, and requesting additional staffing from our higher headquarters at Fort Meade Medical Department Activity.

MISSION





ALLIANCES

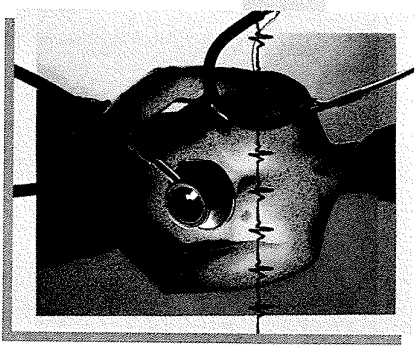
Kirk US Army Health Clinic

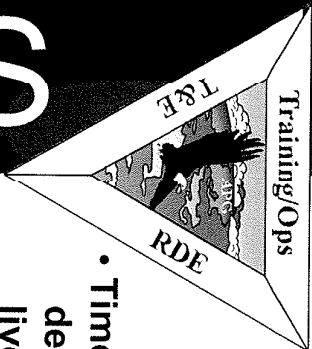
APG Synergy

- US Army Aberdeen Test Center
- US Army Materiel Systems Analysis Activity
- US Army Research Laboratory
- US Army Ordnance Center and Schools
- US Army Research, Development & Engineering Command
- Medical Research Institute of Chemical Defense
- Center for Health Promotion & Preventive Medicine
- 520th Theater Army Medical Laboratory
- US Army Chemical Materials Agency
- US Army Environmental Center

Global Linkages

- Fort Meade Medical Department Activity (MD)
- Walter Reed Army Medical Center
- National Navy Medical Center (Bethesda, MD)
- Upper Chesapeake Health System (Harford County, MD)
- Franklin Square Hospital (Baltimore, MD)
- National Institutes of Health



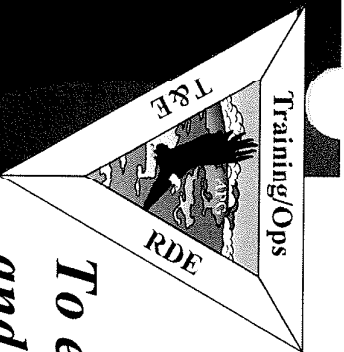


Kirk US Army Health Clinic

PRODUCTS

- Timely, appropriate, and effective Health Service Support to all deploying forces and beneficiary population in order to save lives on the battlefield
- World class peacetime healthcare
- Continuing nuclear, biological, and chemical surety coverage to the APG community
- Primary Care services:
 - Pediatrics
 - General Medicine
 - Internal Medicine
 - Physical Exams
 - Troop Medical Clinics
- Limited Specialty services:
 - Physical Therapy
 - Optometry
 - Community Health Nursing
 - Behavioral Health Services
 - Occupational Health services (including Hearing Conservation)
- Average of 373 visits per day
 - 117 Specialty & Occupational Health Visits
 - 246 Primary Care Visits

MAXIMUM SURGE CAPACITY:
SRP Screening per Day: 150-200
MOB or DEMOB Physical per Day: 50-70
Immunizations per Day: 500-800

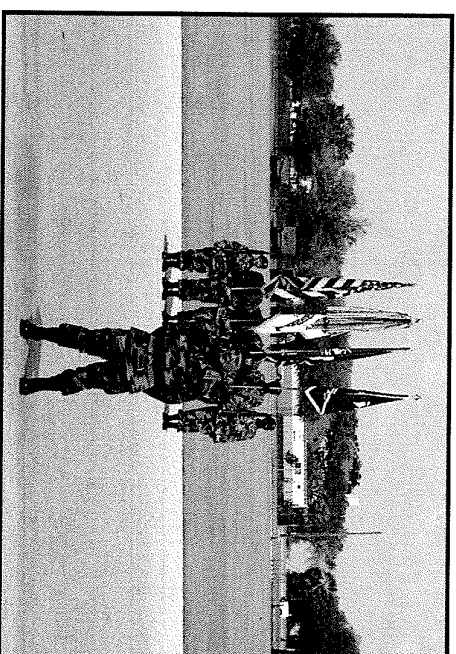


Aberdeen Dental Command

To ensure dental readiness, promote dental health care, and conserve the fighting strength by restoration and preservation of oral health and function for the active duty soldiers of Aberdeen Proving Ground.

PROFILE:

- Capacity
 - 19 Chairs
 - 50- 60 patients per day
 - Practitioners
 - 5 general dentists
 - 3 hygienists
- ROLE:**
- 100 SRP exams per day
 - 200 DEMOB exams per day



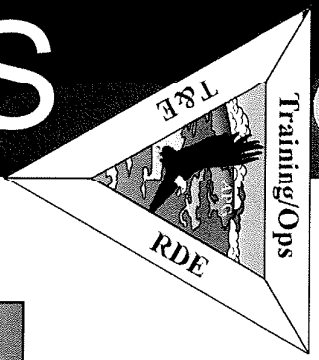
U.S. Army Dental Command
Change of Command Ceremony

MISSION

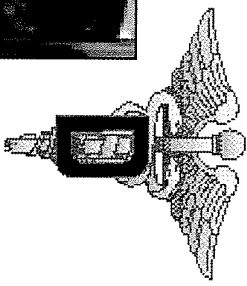
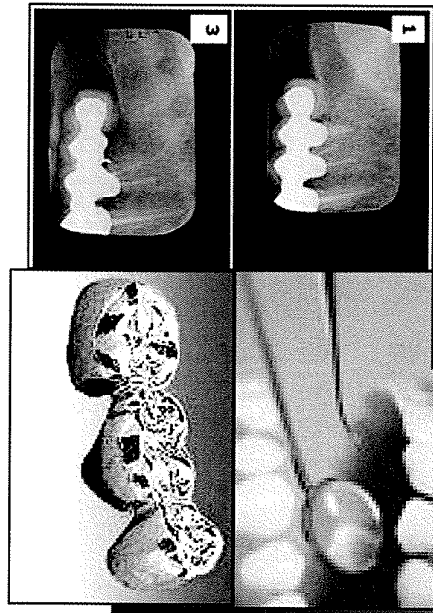
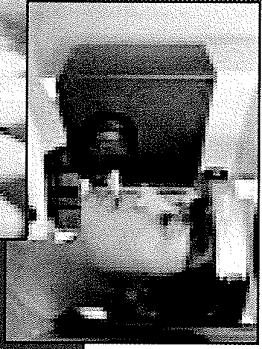
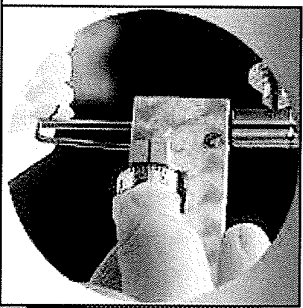




PRODUCTS



Aberdeen Dental Command

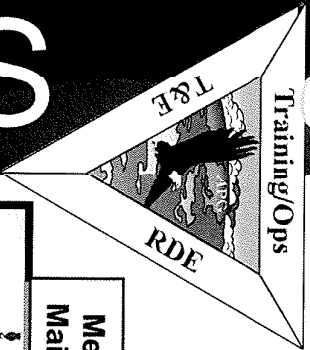


Preventive – Cleanings
 Restorative – Fillings
 Periodontal – Gum Treatment
 Fixed & Removable Prosthetics –
 Teeth Replacement



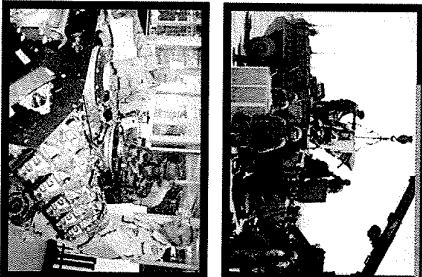


PRODUCTS



US Army Ordnance Mechanical Maintenance School & Center

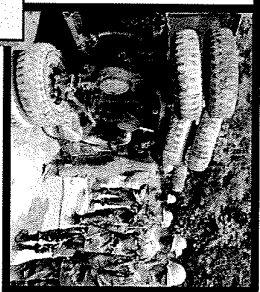
Mechanical Maintenance



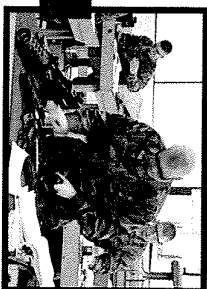
Battle Damage Assessment & Repair



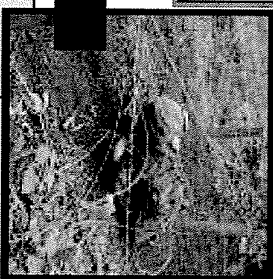
Recovery



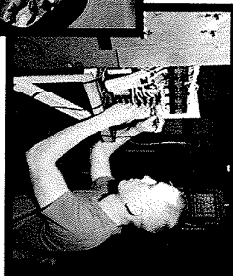
Weapons



School of Military Packaging Technology



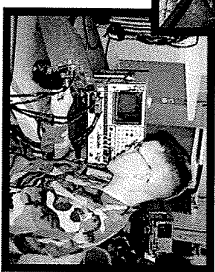
Joint Services



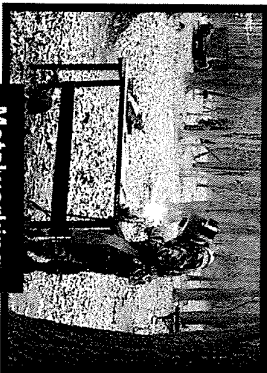
Stryker



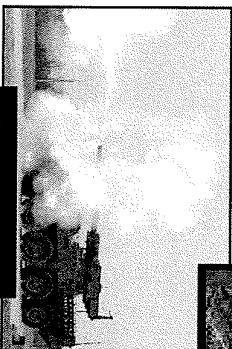
Diagnostics



Metalworking



Soldier Skills

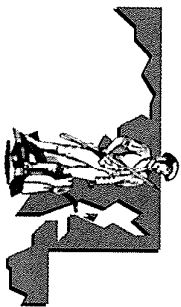


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Training/Ops

T&E
RDE

Maryland National Guard



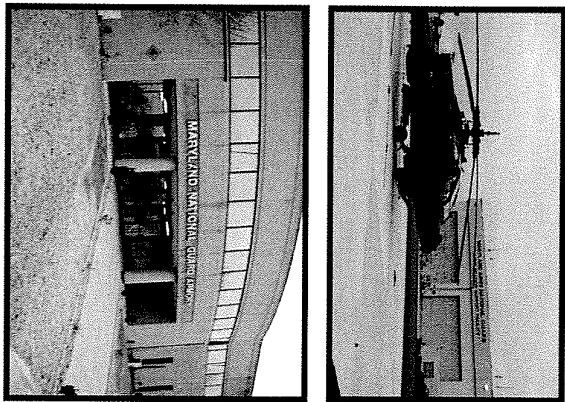
Federal: Maintain properly trained and equipped units available for prompt mobilization for war, national emergency or as otherwise needed.

State: Provide highly trained personnel, equipment, and facilities capable of protecting life and property and preserving peace, order, and public safety and support the state of Maryland in a comprehensive, risk-based emergency management program of mitigation, preparedness, response and recovery.

MISSION



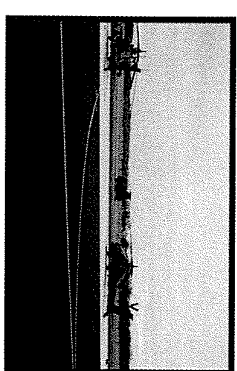
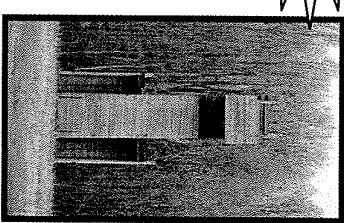
PROFILE:



- Baxter AASF
- 70 PER,
- 33 Rotary Wing
- 7 Units 29 ID(L)
- 3 Other Units
- 457 Traditional Guardsmen
- More than 150 Vehicles



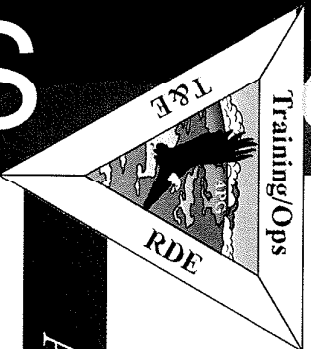
RECON & Air Interdiction (Counterdrug)



- Lauderick Creek Training Site
- 400 Events in FY03
- Trained / Supported MDARNG Ground and Air units, USAR, USMCR, SOCOM units, ROTC, TEU, ARL, OMMS
- Weide Heliport Operated and Maintained by the MDARNG



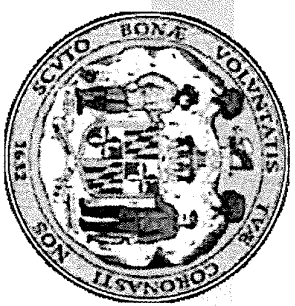
ALLIANCES



Maryland National Guard

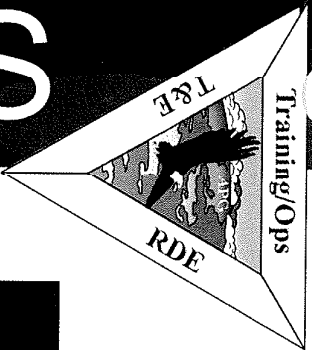
APG Synergy

- AC Units*
- US Army Ordnance Center & Schools*
- Weide Army Heliport*
- Phillips Army Air Field*
- Challenge – Military Youth Corps*
- US Army Research Laboratory*
- US Army Technical Escort Unit*
- US Army Reserve*
- Law Enforcement*
- Fire Department*
- Local School Districts*
- Local Firms*
- Harford Community College*
- Lauderick Creek Training Site*
- ROTC*





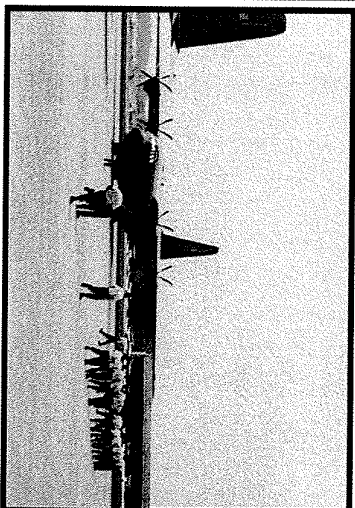
PRODUCTS



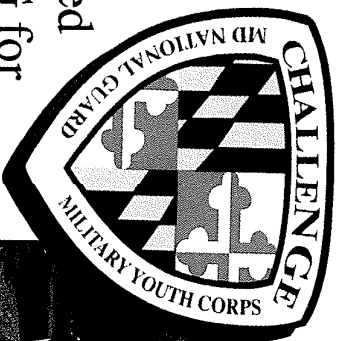
Maryland National Guard



More than 1500 graduates and nearly 1200 GEDs



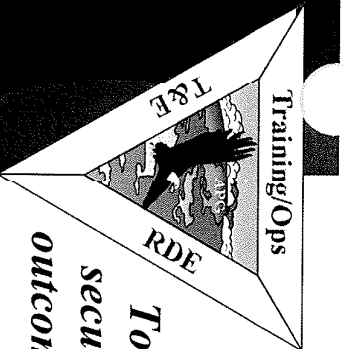
MDNG runs five-month military-oriented residential programs for at-risk youth, 16 – 18, who wish to change their lives.



Hosted by APG for 10 Years



Staffed by state employees with professionals from Harford Community College



Kirk US Army Health Clinic

To ensure individual and collective readiness in support of national security objectives and to provide ready access to quality, comprehensive, outcomes-based primary, specialty, and ambulatory surgical care

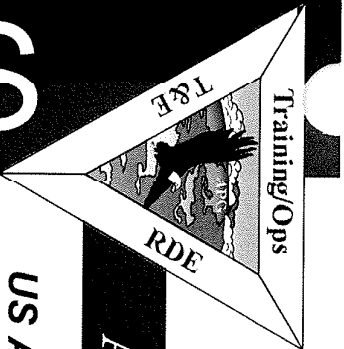
If mission and readiness require it, primary care assets are diverted from providing health services to other than active duty personnel to meeting the readiness requirements of active duty personnel. In contingency situations, other than active duty patients are referred to the TRICARE Network for medical care.

For short term disasters/emergencies, we have an Emergency Preparedness Plan that provides for the response to a variety of disaster situations. Responses would vary depending on the magnitude of the emergency, and range from deploying team(s) to the incident site while maintaining near normal operations at the clinic to closing Kirk to all patients except disaster related care.

Kirk has the ability to expand services through the use of existing physician contracts, extended work days, expanding operating hours to weekends and holidays, and requesting additional staffing from our higher headquarters at Fort Meade Medical Department Activity.

MISSION





ALLIANCES

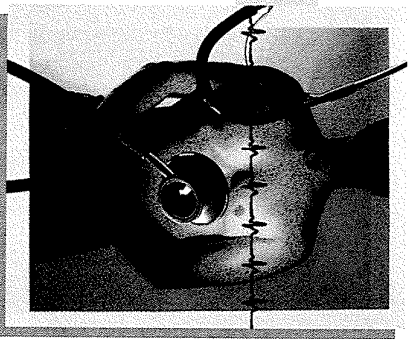
Kirk US Army Health Clinic

APG Synergy

- US Army Aberdeen Test Center
- US Army Materiel Systems Analysis Activity
- US Army Research Laboratory
- US Army Ordnance Center and Schools
- US Army Research, Development & Engineering Command
- Medical Research Institute of Chemical Defense
- Center for Health Promotion & Preventive Medicine
- 520th Theater Army Medical Laboratory
- US Army Chemical Materials Agency
- US Army Environmental Center

Global Linkages

- Fort Meade Medical Department Activity (MD)
- Walter Reed Army Medical Center
- National Navy Medical Center (Bethesda, MD)
- Upper Chesapeake Health System (Harford County, MD)
- Franklin Square Hospital (Baltimore, MD)
- National Institutes of Health



Training/Ops

T&E

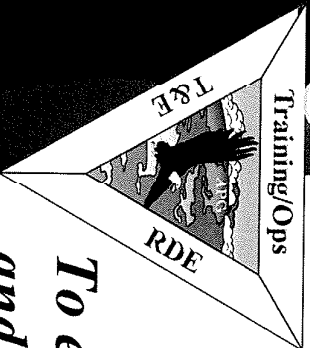
RDE

PRODUCTS

Kirk US Army Health Clinic

- Timely, appropriate, and effective Health Service Support to all deploying forces and beneficiary population in order to save lives on the battlefield
- World class peacetime healthcare
- Continuing nuclear, biological, and chemical surety coverage to the APG community
- Primary Care services:
 - Pediatrics
 - General Medicine
 - Internal Medicine
 - Physical Exams
 - Troop Medical Clinics
- Limited Specialty services:
 - Physical Therapy
 - Optometry
 - Community Health Nursing
 - Behavioral Health Services
 - Occupational Health services (including Hearing Conservation)
- Average of 373 visits per day
 - 117 Specialty & Occupational Health Visits
 - 246 Primary Care Visits

MAXIMUM SURGE CAPACITY:
SRP Screening per Day: 150-200
MOB or DEMOB Physical per Day: 50-70
Immunizations per Day: 500-800



Aberdeen Dental Command

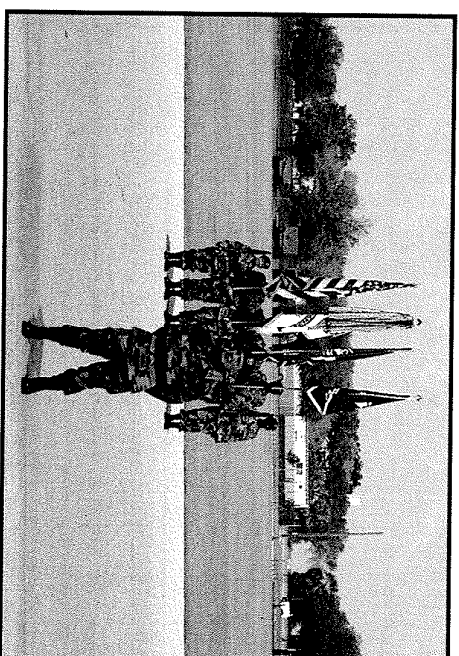
To ensure dental readiness, promote dental health care, and conserve the fighting strength by restoration and preservation of oral health and function for the active duty soldiers of Aberdeen Proving Ground.

PROFILE:

- Capacity
 - 19 Chairs
 - 50- 60 patients per day
- Practitioners
 - 5 general dentists
 - 3 hygienists

ROLE:

- 100 SRP exams per day
- 200 DEMOB exams per day



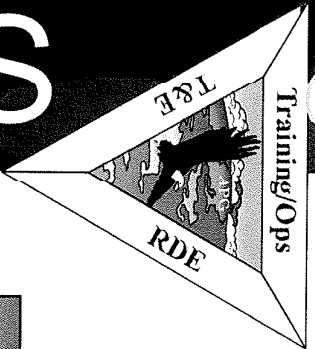
U.S. Army Dental Command
Change of Command Ceremony

MISSION

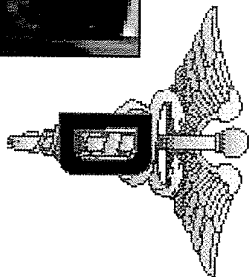
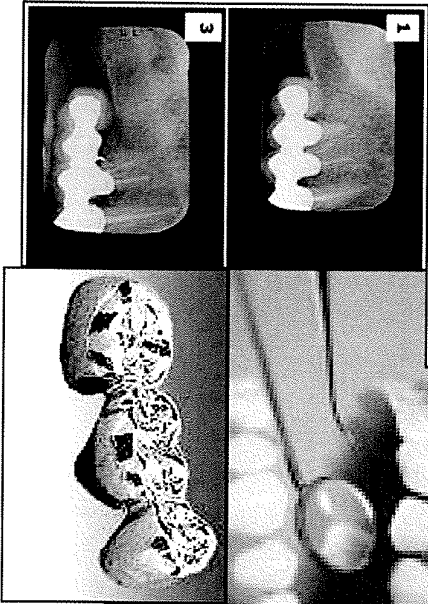
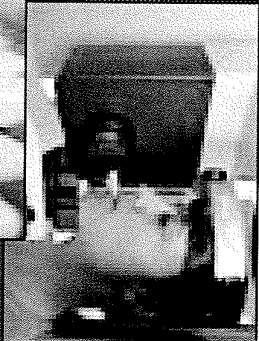
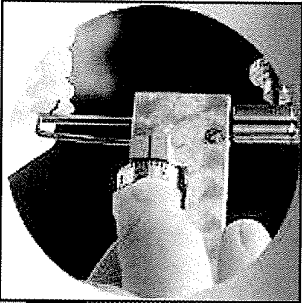




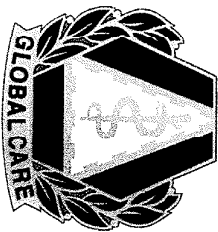
PRODUCTS



Aberdeen Dental Command



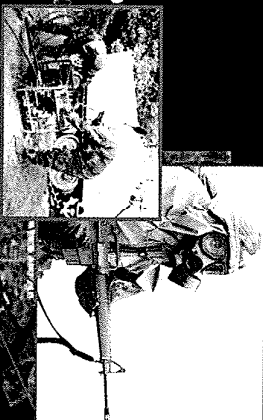
Preventive – Cleaning
 Restorative – Fillings
 Periodontal – Gum Treatment
 Fixed & Removable Prosthetics –
 Teeth Replacement



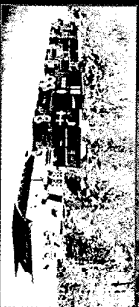
APG Land Combat Joint Warfighter Range Complex

Chem / Bio Soldier
Systems Development

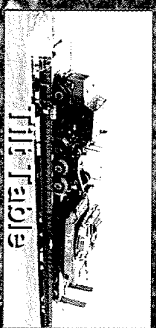
Chem / Bio
Detection



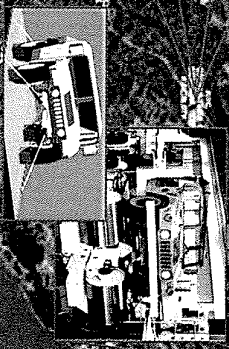
Dynamometer
Course



Live Fire
Vulnerability /
Survivability
Complex



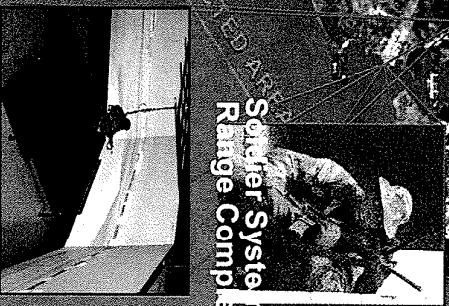
Roadway
Simulator



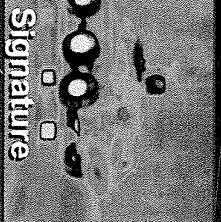
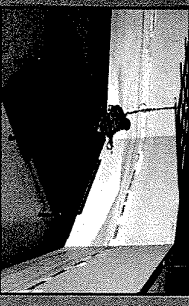
Fordling



Soldier Systems
Range Complex



Tactical Environment
Simulator



Measurement Facility

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Land Combat – Platforms that are wheeled, tracked, self propelled, towed; Soldier Systems to include: CIE, Support equipment, human system; Chem / Bio

LAND COMBAT RANGE UTILIZATION

Joint Warfighter Range Complex



Ground Mobility / Soldier Systems

Experimentation Facilities

- 42 miles of automotive standardized roadways
- Operational / tactical training experiment grids
- Machine / Weld / Fabrication complexes

Laboratories

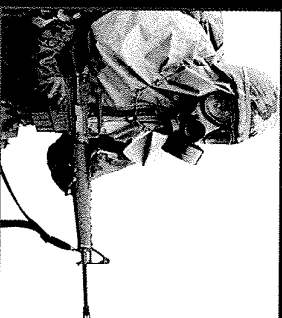
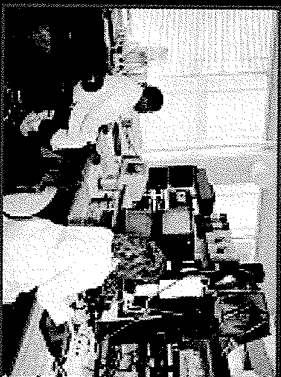
- Applied Sciences
- Materials Analysis / Metallurgy
- Chemistry / Toxic Fumes / POL
- Environmental Hazards Evaluation
- Ballistics Evaluation
- Automotive Evaluation / Performance
- Computer science / management
- Software analysis
- Human effects / ergonomics / engineering
- Joint Warfighting Analysis / Engineering
- Corrosion
- EMI
- Vibration Analysis / Evaluation
- Foreign Exploitation
- Non-Destructive Test
- Industrial X-Ray
- Sensors / Signature Measurement
- Modeling & Simulation



Chem / Bio

Chem / Bio Center

- Non-medical CB defense (BSL-3)
- CB agent hands-on resource
- Chem agent manufacturer for research
- Research/Tech development for CB detection equipment, warfare protective gear DECON systems/solutions
- Chemical casualty care training facility
- Chemical surety materiel laboratory (unique to DoD)
- Medical library
- Animal facility
- Medical waste incinerator



APG Land Combat Firepower Range Complex

Jackson
Firing Barricades

Tank Warfare Range
(on the move)



LOS
4K

Michaelsville Small
Arms Firing Range

LOS
3K

Spesutia
Island
Static Live
Fire Range

H-Field Test
Armament
Range

C-Field
Specialized
Range Area

Live Fire
Lethality
Complex

LOS
3K

BLOS
(H-Field-
Abbey Field)
8K

BLOS
(Sandy Point-
Abbey Field)
12K-16K



Tactical Mission
Firing Range
(Aerial / Maritime)

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LAND COMBAT RANGE UTILIZATION

Firepower Designation

Break-out by Category

- Small caliber and weapons up to and including 40mm and related ammunition.
- Certain Types of Rockets and missiles (including TOW and Hellfire missiles).
- Combat vehicle/fire control gunnery; to include large caliber (main weapon), small caliber (secondary and coaxial mounted weapons and small caliber), laser (range finder), grenade launchers (vehicle mounted) and related training devices.
- Ballistic rail operations; to include high voltage firing system qualification
- Underwater explosive static detonations.
- Mines, grenades, and grenade launchers.
- Explosive countermine devices.
- Static detonation of HE; to include demolition charges, testing of reactive armor, pyrotechnic devices, use of initiating and booster explosives, and safe handling of detonators.
- Recoiless weapons and related ammunition.
- Mortars and related ammunition.
- Medium and large caliber (exceeding 40mm) guns and howitzers, including proof/acceptance operations.
- Depleted Uranium operations of ordnance materiel at approved locations.
- Drop Tower operations of ordnance materiel.
- Electrical / gas launchers (devices using stored electrical charges).
- Vibration, rough handling, and environmental operations involving ordnance materiel.
- Lasers and laser devices.

Examples (Weapons / Ammo)

- 60mm Mortar
- 81mm Mortar
- 105mm Howitzer 107mm Mortar
- 155mm Howitzer
- AT-4CS
- Javelin AT Missile
- TOW AT Missile
- 2.75" Rocket Hellfire Missile
- 20mm Helicopter Mounted Cannon
- 30mm Helicopter Cannon
- 105mm Tank Main Gun
- 120mm Tank Main Gun
- 25mm Ground Mounted Cannon
- 30mm Ground Mounted Cannon
- MK19 40mm Grenade Launcher
- 50 Cal MG or Rifle
- 7.62mm MG or Rifle
- 5.56mm MG or Rifle
- 120mm Mortar

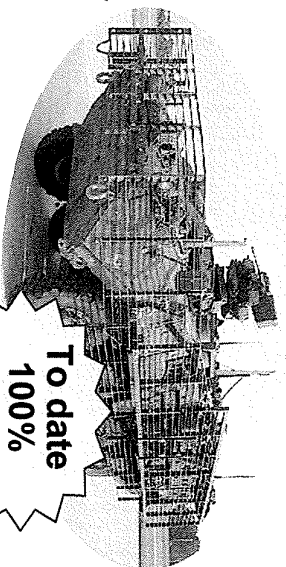
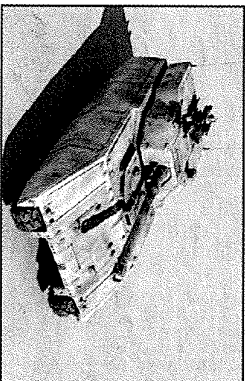
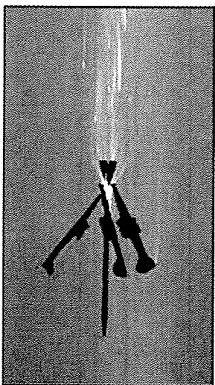
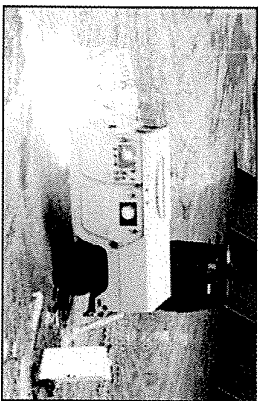
Key Supporting Asset - Ammo Magazines with permits for transfer (domestic / OCONUS)

- 46 magazines (34 earth covered, 11 above ground, 1 inert warehouse)

SYNERGY

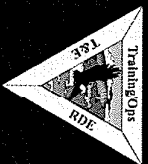
Military Initiatives

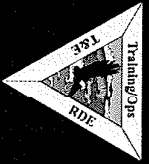
- Mobilization Efforts
 - GAPG, OMMSC, KAHC, DENTAC
- Tactical Vehicle Up-Armor Programs
 - ATC, DTC, AEC, ARL, AMSAA
- Stryker Vehicle – Shakedown / Armor Development / SLAT Armor
 - ATC, DTC, AEC, ARL, AMSAA, GAPG
- Modular Integrated Communications Helmet (MICH)
 - ATC, ARL, DTC, AEC
- Foreign Exploitation Initiatives
 - ATC, NGIC, GAPG, ARL, 203rd MI Bn
- M900 Round
 - ATC, ARL, DTC, AEC, AMSAA, GAPG
- XM-8 Family of Weapons
 - ATC, ARL, DTC, AMSAA, AEC
- Small Arms Lubricant Initiative
 - ATC, ARL, DTC, AMSAA, AEC
- Long-term / low-level exposure (Nerve / Mustard Agent)
 - ECBC, MRICD, CHPPM
- Joint Biological Agent Identification and Diagnostic System (JBAIDS)
 - ATC, ECBC, DTC
- Medical Oxygen Generator
 - ATC, DTC, ARL
- Battle Damage Assessment and Repair (BDAR) for Expeditionary Fighting Vehicle (EFV) Armor Characterization Testing
 - ATC, OMMSC, DTC
- FCS (System Integration Lab)
 - ATC, DTC, AEC, AMSAA



To date
100%
effective!

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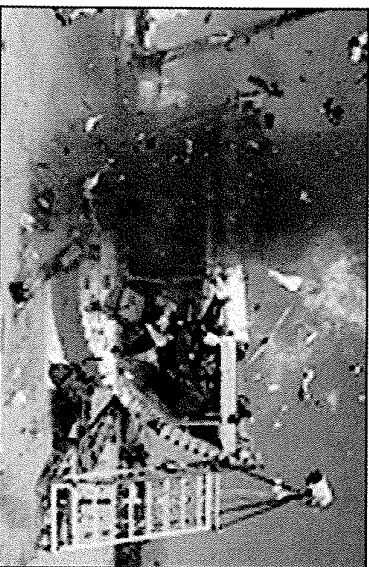
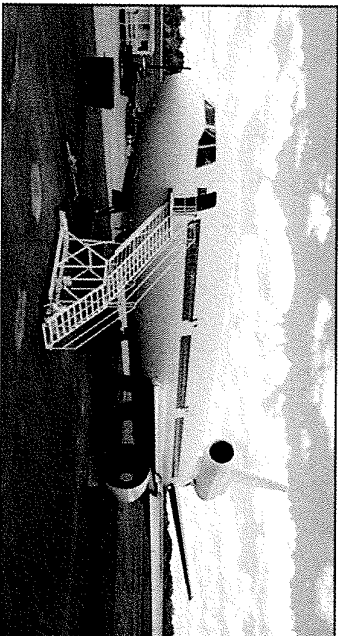
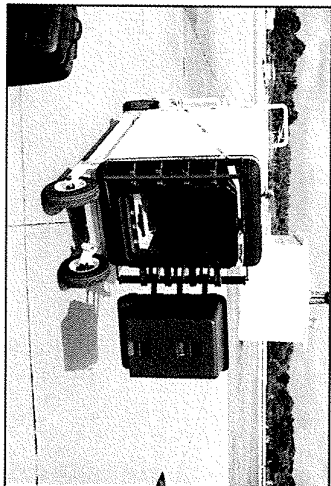
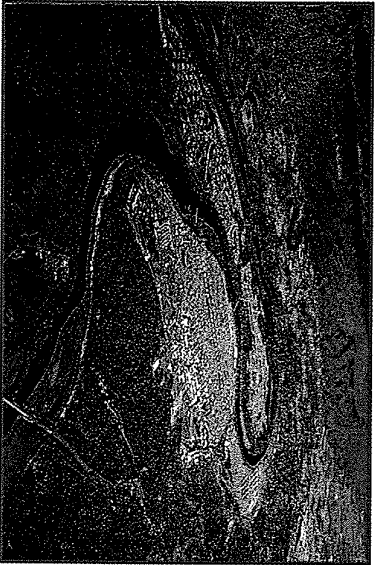




SYNERGY

Global War on Terrorism, Homeland Defense

- Threat Containment Units
 - ATC, ARL, DTC
- Commercial Aircraft Survivability
 - ATC, DTC, AEC, ARL
- Center for Anti-Terrorism & Security Training (CAST)
 - GAPG, ATC, ARL, ECBC
- NORTHCOM Joint Task Force Exercise for Consequence Management and Domestic Events
 - Guardian Bde, RDECOM, ECBC
- Chem / Bio Test Bed at Radford
 - ATC, RDECOM, DTC



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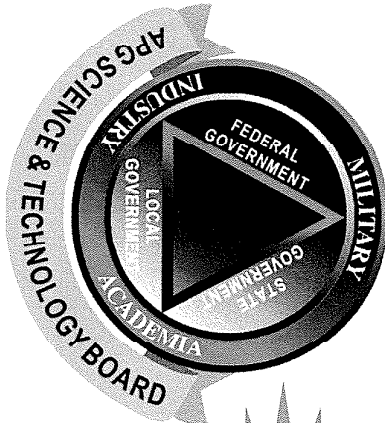
SYNERGY Community

Helping to foster and develop APG and the surrounding region into a military, academic, and industrial technology complex

Military
 Ft. Detrick
 Walter Reed
 Dept of the Navy
 PAX River
 Army SBIR/STTR

Industry
 DuPont
 Battelle Inc.
 Booz Allen Hamilton
 Northrop Grumman
 EAI
 SAIC
 DSI
 Service Engineering Inc.
 AAI
 LB & B
 MD Technology Corp.

Other Organizations
 Northeast Maryland Tech Council
 Greater Baltimore Tech Council
 MdBio
 Pax River Tech Transfer Program
 Tech Council of MD
 Federal Laboratory Consortium



Federal Gov't
 Smart States Program
 NSA

State Gov't
 MD Dept of Bus & Economic Development
 MD Env Tech Council

Local Gov't
 Ha Co Dept of Econ Dev
 City of Aberdeen
 City of Havre de Grace

Provide strategic focus
 Promote high technology growth
 Create technical synergy

Academia
 HEAT Center
 Johns Hopkins Univ.
 University of Penna.
 University of Maryland
 Towson State Univ.
 Howard University
 University of Delaware
 Harford Comm. College
 Drexel University
 Cecil Comm. College
 U.S. Military Academy
 U.S. Naval Academy

Sponsored Programs
 Aberdeen High School
 Math and Science Academy
 Summer Student Programs
 Harford Community College
 Student Contractors
 Morgan State Summer Faculty Program
 University of Maryland
 Biotechnology Institute
 George Washington University
 S&T Apprentice Program

ENVIRONMENTAL IMPACT

Pertinent Topics

MEDIA	CONCERN	ACTIONS TAKEN	MISSION IMPACT
EAGLES	<ul style="list-style-type: none"> Steady increase in population and nests Increased mortality- interaction with electrical infrastructure Some mission impacts due to growing population. 	<ul style="list-style-type: none"> Previous studies confirm no mission / noise impact on eagles. Ongoing studies into fatalities, management recommendations. Measures enacted to prevent electrocutions & monitor eagles. 	<ul style="list-style-type: none"> Some minor delays and location changes. No recent project / training cancellations.
NOISE	<ul style="list-style-type: none"> Blast and shock from testing disturb neighbors' peace and can damage property. 	<ul style="list-style-type: none"> Noise monitoring and management plan in place. Public notification as appropriate. 	<ul style="list-style-type: none"> Some minor delays IAW noise prediction model, but tests generally proceed.
WETLANDS	<ul style="list-style-type: none"> APG has had significant wetlands growth which could limit scope of activity. 	<ul style="list-style-type: none"> Obtain permits as necessary. Mitigate impacts. 	<ul style="list-style-type: none"> No negative impact. Training enhancement.
DRINKING WATER	<ul style="list-style-type: none"> Some range / FTX areas in local drinking water recharge areas. APG activities have likely contaminated these supplies. 	<ul style="list-style-type: none"> Treatment provided at one site. Training adjusted / being moved to prevent contamination at other site. 	<ul style="list-style-type: none"> Minor.
RANGE FIRES	<ul style="list-style-type: none"> Mission activities can result in range fires. 	<ul style="list-style-type: none"> Developing range management plan utilizing prescribed burns. Awaiting EIS completion. 	<ul style="list-style-type: none"> None to date.
CLEANUP OPERATIONS	<ul style="list-style-type: none"> Large cleanup program. Co-existing w/ ongoing mission. 	<ul style="list-style-type: none"> Closely coordinate both ongoing actions. 	<ul style="list-style-type: none"> None Mission proceeds with public acceptance.

ENVIRONMENTAL IMPACT

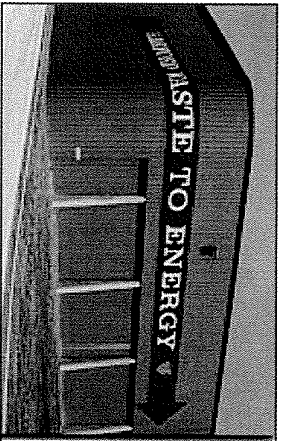
Permits

CATEGORY	NUMBER OF PERMITS	ISSUING AGENCIES
Air	96	MD Dept of the Environment (MDE)
Water	31	MDE
Solid Waste	4	MDE
Hazardous Waste	5	MDE & USEPA
Natural Resources	8	USFWS & MD Dept of Natural Resources
Wetlands	Multiple / per project	US Army Corps of Engineers & MDE
Sediment & Erosion Control	1 General / multiple / per project	MDE
Biological Safety Level - 3	9	Center for Disease Control Department of Agriculture
Firing of DU	2	Nuclear Regulatory Commission (NRC)
Pulsing Reactor	1	NRC

ENVIRONMENTAL IMPACT

Engineered Success

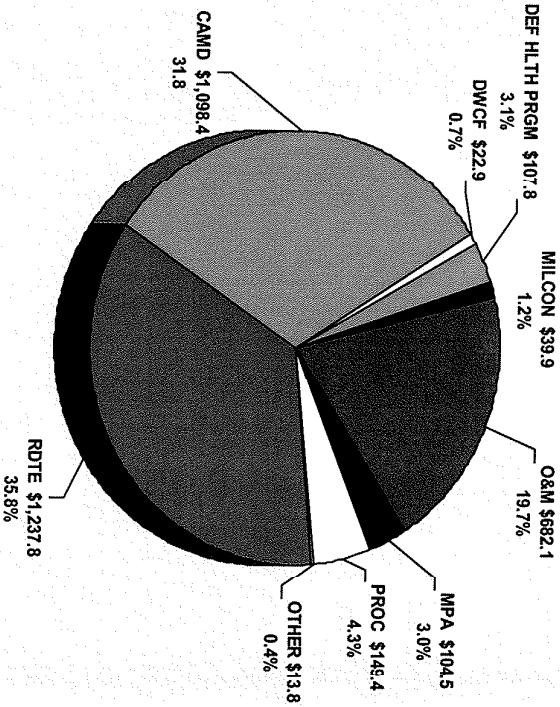
- **Facilities**
 - UNDEX Pond – Navy Testing
 - DU Containment Facility (SUPERBOX)
 - Fire Safety Test Enclosure (FIREBOX)
 - Firing Impulse Simulator
 - Munitions Assessment & Processing System (MAPS)
- **Natural Resources**
 - Wildlife Population Growth (eagles, turkey, water fowl)
 - Net Wetland and Forest Growth
 - County Drinking Water Protected
- **Pollution Prevention (P2)**
 - Hazardous Material Usage Reduced
 - Micro-Chemistry
 - Natural Gas Conversion
 - Geothermal Heat Pumps
 - Resource Recovery



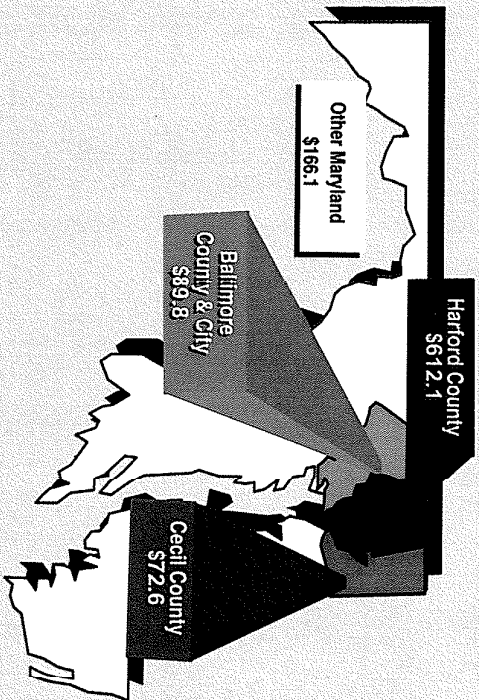
ECONOMIC IMPACT

Expenditures by Appropriations

TOTAL: \$3,456.6



On Maryland County Districts

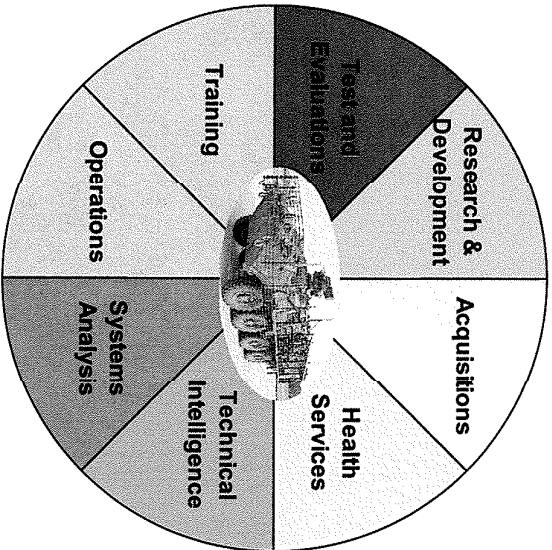


Maryland Civilian Payroll - \$549.2M
Contract Dollars Awarded - \$287.3M
Maryland Military Payroll - \$104.1M
Total Impact On Maryland - \$940.6M

\$3.5 Billion
Expended By The
Installation

ECONOMIC IMPACT

Contracts



- Sverdrup Technology, Inc.
- COBRO Corporation
- Tero Tek International
- Battelle
- EAI
- GEO – Centers
- Precis
- Booz Allen Hamilton
- Northrop Grumman
- Business Plus
- ITT Industries
- Midwest Research Institute
- Science & Technology
- SciTech Corp
- SAIC
- Quicksilver
- Guild
- TRI-S
- BAE Systems
- Bregman & Co.
- Calibre Services
- CH2M Hill
- Decision Systems Tech., Inc.
- Engineering & Environ., Inc.
- Gamma Engineering Co.
- Horne Engineering
- J.M. Waller Associates, Inc.
- Jones Technologies
- RAI
- Research Management Consultant, Inc
- Stem International, Inc.
- URS
- VERSAR

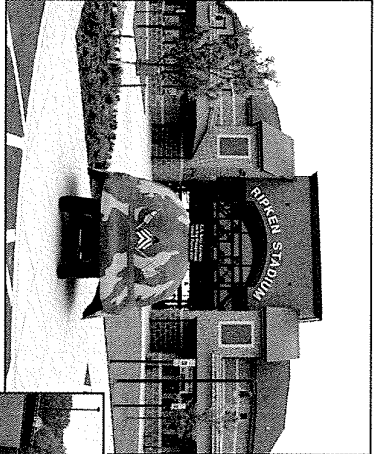
List too extensive to depict here

Local Directorate of Contracting = \$366M
 Robert Morris Acquisition Center = \$785M

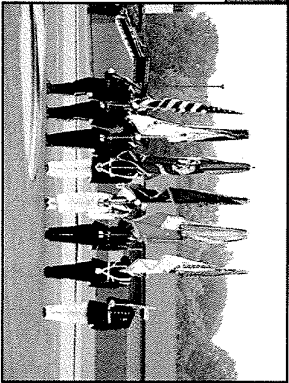
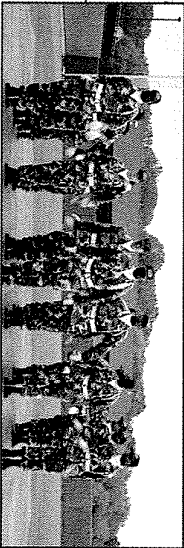
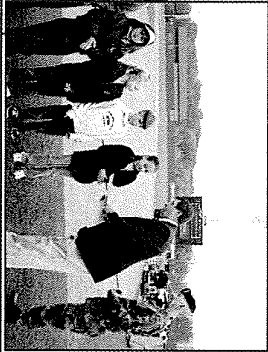
...Many tenant activities use non-local procurement organizations – estimated value: \$1 Billion annually

QUALITY OF LIFE

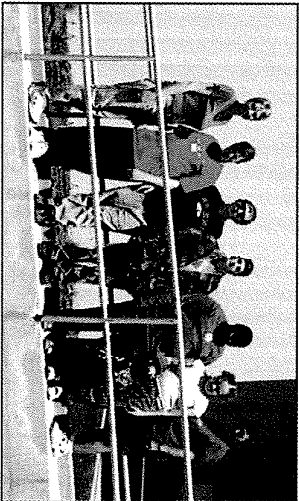
Community Involvement



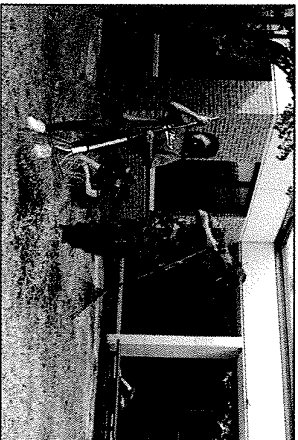
Armed Forces Day



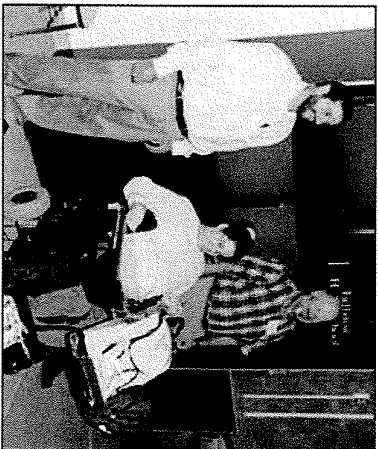
9/11 Remembrance



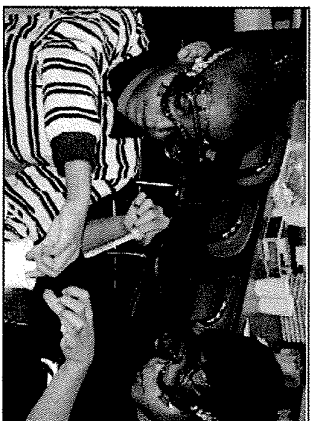
John Archer Garden Project (USATC)



Clean-up of Edgewood Elm (P&D RAEC)



Volunteers for Medical Engineering (USAEC)



Kids In Chemistry (RDECOM)



Military Appreciation Day at Edgewood Elm (USAEC)

Do Not Release Under FOIA

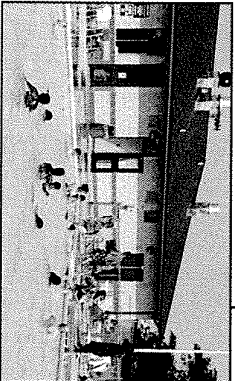
QUALITY OF LIFE

Resident

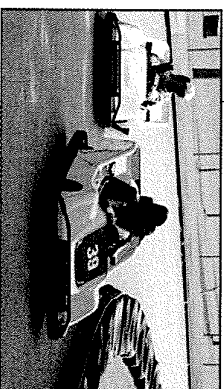
*Best Small Post by Army Times
"as voted by the soldiers for the
soldiers" 2002 & 2003*

- 1,064 Housing units
- Barracks capacity 3,272
- Soldiers Permanent Party 265 quarters
- 296 unit Army Lodging operation

**Best fully accredited Child and Youth Services programs in NE Region
Fully Accredited ACS
Recipient of private industry awards and recognized as Army model for
implementation of Recreation Delivery System
Model site for Army MWR management information systems
One of 5 Army Well-Being Laboratory Sites
Army Lodging of the Year Award Winner (Large Category) 2000 & 2001
Active partnership w/Harford County Public Schools based on Military Child
Education Coalition Model
Best World Wide Commissary - Eastern Region Winner - 2003
Best Dining Facility – Northeast Region IMA - 2003**



- | | | | |
|---|-----------------------------|---|-----------------------------|
| > | Commissary | > | Family entertainment center |
| > | Post Exchange | > | Leisure travel center |
| > | 2 youth centers | > | 2 arts & crafts centers |
| > | 2 child development centers | > | 3 swimming pools |
| > | 2 golf courses | > | 2 marinas |
| > | 20-lane bowling center | > | Riding activity |
| > | 2 recreation centers | > | 20-bay auto craft facility |
| > | 4 physical fitness centers | > | Travel camp |
| > | Outdoor recreation center | > | Skeet & trap facility |



Discussion Purposes Only
Not Release Under FOIA

SUMMARY



APG: Relevant and Ready

- Synergy of Tenants – Force Multiplier
- Home of Ordnance – Mechanical Maintenance Training
- Magnet for RDTE and Support Organizations
- Extensive Specialized Training and Test Areas
- Restricted Land, Water and Airspace
- Growing Recognition of Joint Training Opportunities
- Utility Infrastructure Sized to Support Major Growth
- 5000+ acres Suitable for Development
- Strong State and Community Support for Growth
- Large, Highly Educated Labor Pool Available

MRTFB Designation provides DoD / OSD funds for Advanced Technologies Development

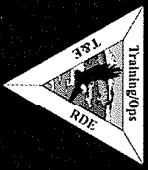
Military Value depicted by past, present, future initiatives and direct alignment with Tier 1 Units and cadence with CSA mission

**Dod's Center of Excellence
for Land Combat Systems-
Vehicles, Soldier Systems,
Chem Bio**

“Finally, our installations must be resourced to serve as our Flagships: able to project power, support tough realistic training and provide for soldiers, families and civilians”

CSA, General Schoomaker

AUSA Eisenhower Luncheon Speech 10/7/03



NEXT STEPS

Future Development Potential

- Chem / Bio Research and Development Laboratories
- Materiels Laboratories
- Test & Evaluation – weapons, munitions, land systems, soldier systems
- Technical Training
- Joint Training
- Headquarters (RDT&E, Human Resources)
- Mobilization
- Consolidation of National Guard and Reserve Facilities

Dod's Center of Excellence for Land Combat Systems- Vehicles, Soldier Systems, Chem Bio

Available Land, Utilities, Computing Power