

STATE OF THE CHEMICAL CORPS



*BG Pat Nilo
Chief of Chemical*



Impacts Over the Past 13 Months

- **Terrorist Attacks on Sep 11**
 - **Pentagon Protection**
 - **Homeland Security**
 - **CBRN Installation Force Protection**
- **DTLOMS**
 - **Successes**
 - **Challenges**

- **Requirements Generation**
 - **Process**
 - **Experimentation**
- **Telling our Story**
- **Changes in Our Direction**
 - **Mission**
 - **Equipping**
 - **Training**



Terrorist Attacks on September 11th



***Awakened
the
Sleeping "Dragon"***

Pentagon Protection



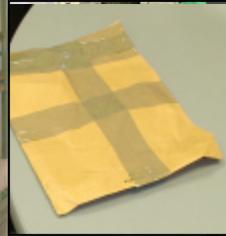
- **Chemical School response**
- **Chemical Corps response**
- **Leveraging Lessons Learned**

Homeland Security

Defense of our homeland from
Biological, Chemical and
Nuclear/Radiological terrorism



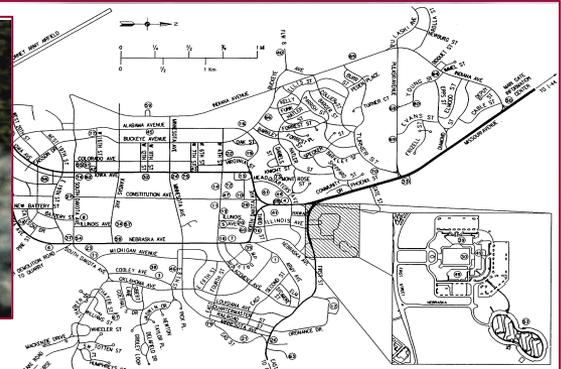
Involvement in
Civil Defense
Mission since
1930's



Over 80 Years of Service to Our Nation

Installation CBRN Force Protection

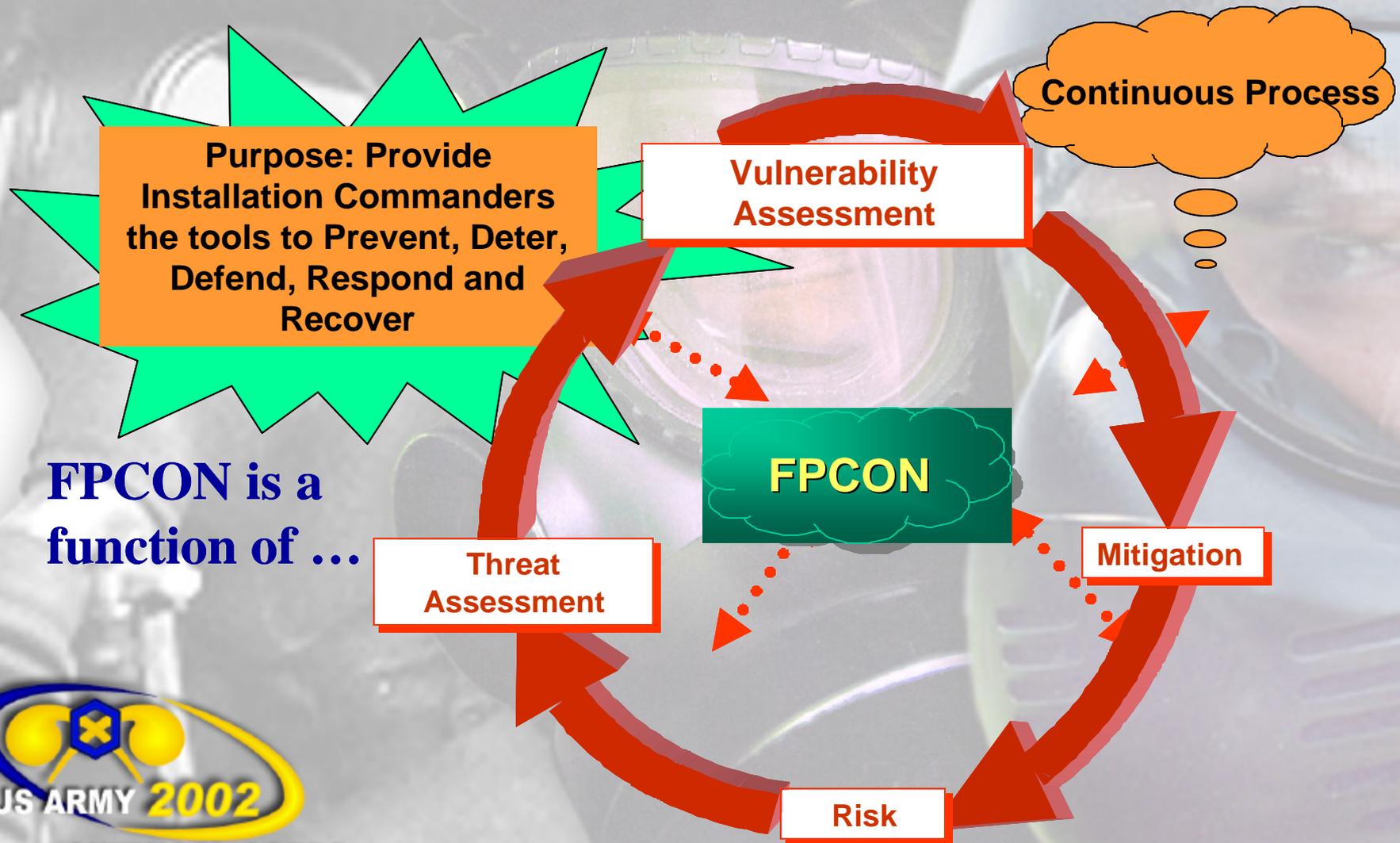
- **Organized and Equipped**
- **Integrated Sensor Array**
- **Information Management**



Fort to Port – Deployment Implications



Installation Force Protection Operational and Organizational Plan



**FPCON is a
function of ...**

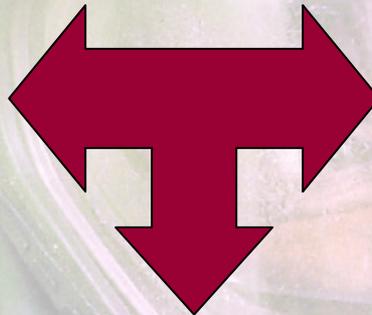


Operational Concept

Three Prong Approach

Installation Support Team

- Belongs to Installation and MTF
- Immediate Capability
- Matrix-Supported
- Limited Capability
- Tailored to Installation
- 0-24 Hours



MEDCOM Special Medical Augmentation Response Team (SMART)

- Regionally Located
- Represent Specialties in Environmental Health, Epidemiology, Health Physics, Industrial Hygiene, Laboratory Sciences and Medicine.
- 0-12 hours.

Regional Response Team

- Located Strategically
- Compliments Capability Of MEDCOM SMART Tms And Chem-Bio Class VIII
- Follow-on Capability
- Full Time/Specialized
- More Robust Capability
- Uniform Structure
- 12-48 Hours
- SRC03 AC Unit



Doctrine

Successes

- **Continue to support Joint doctrine development and write Multi-Service and Army specific publications**
- **74% of Corps doctrine is under revision or consolidation, expanding to 90% in FY 03**
- **Field and User level input and participation at Doctrinal Development Work Groups**
- **Warfighter Quarterly VTC's and the Annual Conference**
- **Unit and CTC visits by Doctrine Writers**

Doctrine

Challenges

- **Force Protection & Consequence Management**
 - Toxic Industrial Material
 - Multi-Service TTP's
- **Digital/Analog Interoperability**
- **Doctrinal Transition to Support All Operational Environments**

Operational Jointness

Successes

- Multi-Service Doctrine
- Joint Discussion Forum
- Joint Senior Leaders Course (JSLC)
- Theater Air Missile Defense - Passive Defense Integration

Challenges

- Technical Reach-Back For the Joint Force
- Joint Training Sub-Panel (JTSP)
- Chemical Corps Infrastructure at Unified Commands



Training

Successes

- **Emergency Assessment and Detection Course**
- **Weapons of Mass Destruction (WMD) courses**
- **CBRN Responders Training Facility**

Challenges

- **Adapting our “Cold War” course development, resourcing and quota management system to one that responds to today’s changing world**
- **Moving proponency and training for Tech Escort back under the Chemical Corps**

Additional Training Successes

- **Developed a Training Concept of Operations supporting CBRN Defense & Response O&O**
- **Changes to 6 Existing Courses**
- **9 Additional Courses for DOD Responders, Commanders and Planners**
- **Mobile Training Team Concept**



CBRN Responder Facility

Developed Concept and Received Preliminary Approval for \$13.5 M - CBRN Responders Facility



- 3- 50 person classrooms
- AAR Auditorium
- Instrumented Ranges covering terrain from Urban to tunnels & caves
- Virtual Response Training Area
- Maintenance area for equipment and refilling air bottles



Leader Development

Successes

- TF Dragon Warrior
- Critical Task Selection Boards
- Basic Officer Leadership Course
- Incorporation of new Common Operating Environment (COE)
- Exercise OZARK Fury

Challenges

- Providing digital training to those leaders whose future assignments call for it
- Obtaining the resources to implement the changes necessary:
 - HAZMAT certifications
 - Unit NBC Program training facility

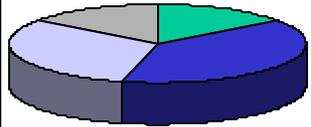


Organization

TAA 07

COMPO 1	15%
COMPO 2	39%
COMPO 3	31%

COMPO 4
15%



TOTAL
ROMT

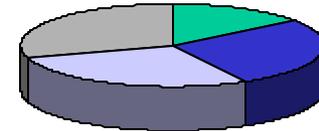
COMPO
1/2/3/4

ABN/AA CO:	2	2/0/0/0
HVY DIV CO:	10	3/7/0/0
ACR LT:	10	2/7/0/1
ACR HVY	2	1/1/0/0
BDE:	8	1/3/4/0
BN:	15	3/0/9/3
BN (TA):	11	0/11/0/0
DECON CO:	0	0/0/0/0
RECON CO:	9	1/2/5/1
REC/DEC CO (SPOD):	0	0/0/0/0
MX SMK CO (AOE):	3	0/0/3/0
MX SMK CO (FDD):	3	2/0/1/0
REC/DEC CO (FDD):	3	3/0/0/0
SMK/DECON CO:	98	9/37/25/27
BIO CO/DET:	12	2/4/5/1
LB (SF) CM TM:	7	2/2/3/0
JA/JB CM TM:	20	3/0/17/0
SEP CM PLT:	15	0/15/0/0

TAA 09

COMPO 1	15%
COMPO 2	27%
COMPO 3	28%

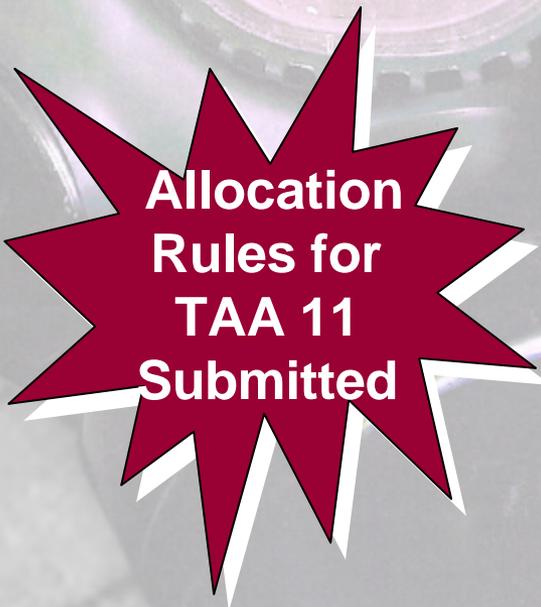
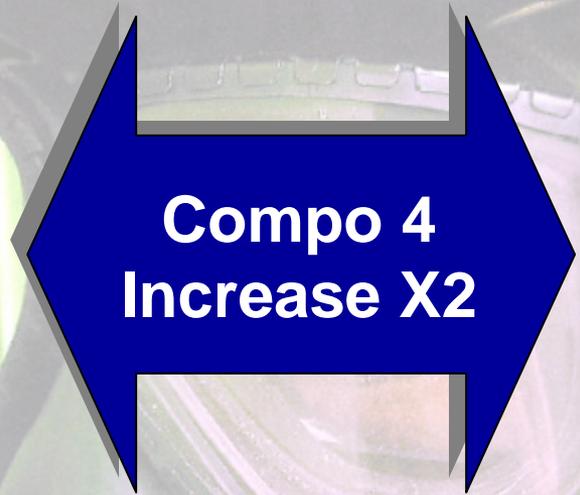
COMPO 4
30%



TOTAL
ROMT

COMPO
1/2/3/4

ABN/AA CO:	2	2/0/0/0
HVY DIV CO:	10	3/7/0/0
ACR LT:	31	4/23/0/4
ACR HVY	2	1/1/0/0
BDE:	11	1/3/5/2
BN:	33	3/11/11/8
BN (TA):	0	0/0/0/0
DECON CO:	48	4/2/0/42
RECON CO:	9	1/2/5/1
REC/DEC CO (SPOD):	TBD TAA-11	
MX SMK CO (AOE):	3	0/0/3/0
MX SMK CO (FDD):	3	2/0/1/0
REC/DEC CO (FDD):	3	3/0/0/0
SMK/DECON CO:	54	5/6/25/18
BIO CO/DET:	23	2/4/11/6
LB (SF) CM TM:	7	2/2/3/0
JA/JB CM TM:	20	3/0/15/2
SEP CM PLT:	16	1/15/0/0
TECH ESCORT BN:	1	1/0/0/0
CBRN-RRT:	4	4/0/0/0



FY02 Lieutenant Accessions

Success/Challenge

- The Corps was under accessed the last ten years
- *Chemical Corps accessed 102% of target for FY02*
- One year of exceeding target is encouraging, however, it will take several more years of meeting or exceeding the LT accessions target to reverse LT shortages.

Sergeant Shortages

Success/Challenge

- **PERSCOM expedited implementation of the SGT downgrade proposal from FY05 to FY03**
- **Proposal downgrades 113 SGT positions to SPC in CS and CSS units.**
- **Even with the downgrade proposal there will still be a shortage of SGTs.**
- **The Chemical Corps must continue to explore and develop initiatives to elevate the shortage of SGTs in MOS 54B.**

CBRN Responder Additional Skill Identifier (ASI)

Success

New ASI will be awarded to MOS 54B soldiers assigned to:

- **Weapons of Mass Destruction Civil Support Teams (NG)**
- **Regional Response Teams (AC)**
- **Installation Support Teams**
 - **Selected Chemical Corps Unit (SRC03) soldiers (AC/RC)**

Transforming Requirements Generation

TODAY

**Create Integrated
Concept Team**

**Develop
Mission Area
and Needs
Analyses**

**Conduct
Performance
Demo**

END STATE

Fielding New Systems

**Operational
Requirements
Document**

**Limited
Objective
Experiment**



CHEMICAL CORPS

Transforming CBRN Recon Platforms

CBRN Recon Single-Platform



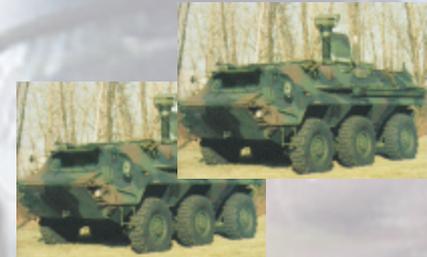
JSLNBCRS



JBPDS



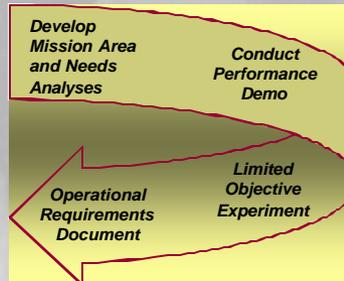
NBC Stryker



M93/M93A1



BIDS NDI/P3I

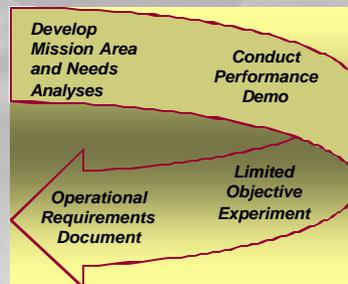


Robotics: Smoke/Obscurants & Sensor Packages

- ✓ Provide Force Protection to the SBCT
- ✓ Integrate Existing Technologies
 - M56 Robotic Obscurant Platform
 - NBC Sensors



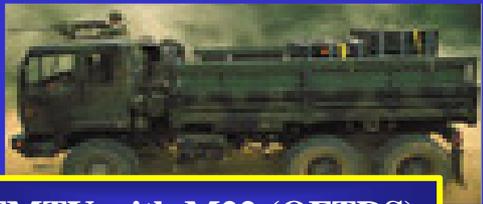
NBC
Sensor
Module
Suite



Transforming CBRN Decontamination

“FIX DECON”

TACTICAL APPROACH



FMTV with M22 (OFTDS)

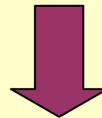


KARCHER



M25 CAFS System (EFT)

Performance
Demo
Jul 01



Limited
Objective
Experiment
April 2002

STRATEGIC APPROACH



GL1800
Global Ground Systems



Decon Mission Module
Prototype

Develop
Mission Area
and Needs
Analyses

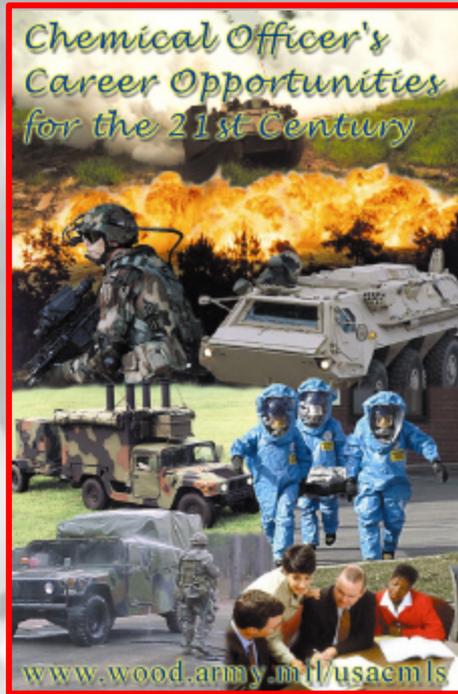
Conduct
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Demo

Operational
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Experiment



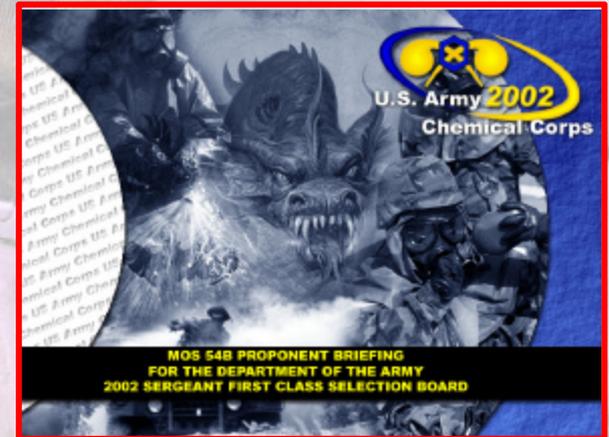
Professional Development/Telling Our Story



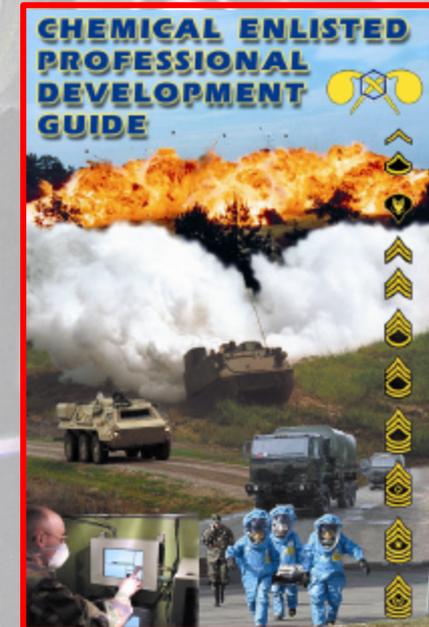
Chemical Lieutenant's
Career Guide



Chemical School Brochure



Senior Enlisted Promotion Guidance



Chemical Enlisted Professional
Development Guide



Our Future

- **Grow from a Cold War Corps to one that supports the Objective Force and the Security of our Homeland**
- **Equipping/Training with state-of-the-art capabilities**
- **Be full spectrum response**
- **Adaptable to any situation**
- **Lead our Nation in CBRNH&O**



Objective Force Chemical Warriors

- Persuasive in Peace (Homeland Operations)
- Invincible in War (Ready for Full Spectrum Combat Operations)
- On Point for the Nation (The focal point for DOD, Interagency, and Civil protection and response against CBRNH&O.)



FORWARD TO THE FUTURE

STATE OF THE CHEMICAL CORPS



*BG Pat Nilo
Chief of Chemical*

