



Joint CBRN Combat Developer

***U.S. Army CBRN School
BG Tom Spoehr***

***Briefing for JCBRN Conference
26 June 2008***



Agenda

- Mission
- Authority
- Joint CBRN Combat Developer
 - Joint Experimentation and Analysis
 - Joint Threat Support
- Doctrine Support
- Training Support
- International Update
- Summary



Criticality of Our Mission

“The gravest danger our Nation faces lies at the crossroads of radicalism and technology. Our enemies have openly declared that they are seeking weapons of mass destruction, and evidence indicates that they are doing so with determination. The United States will not allow these efforts to succeed....”

George W. Bush



Mission

Conduct realistic experiments for the Department of Defense Chemical and Biological Defense Program by systematically exploring new and innovative combinations of medical and non-medical Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, and Facilities (DOTMLPF) capabilities.

to reduce risk and cost in materiel development



Authority

Implementation Plan for the Management of the Joint Chemical Biological Defense Program

dated: 22 April 2003

*“Para 3.4.8 -Through the JRO, serve as the Joint
Combat Developer for the CBDP”*





Joint Experimentation and Analysis





JEAD Completed Experiments

- **Joint Expeditionary Collective Protection** – Develop/validate Ingress/Egress TTPs, final report dated Jun 07
- **Trailer Mounted Cold Weather Decon** – Validate cold weather tactics, techniques and procedures for WMD-CSTs, final report dated Aug 07
- **Joint CBRN Dismountable Recon System** – Validate organization & equipment for CPD, final report dated August 07
- **WMD-CST LOE** – Validate Civil Support Team (CST) TDA, final report dated Sep 07
- **Mortuary Affairs/Human Remains Decon System Rock Drill** – Develop CONOPS, final report dated Sep 07



JEAD On-Going Experiments

- **Air Crew Duration** – Validate TTPs and safety requirements (FY09 pending funding and availability of live air crews)
- **Sensitive Site Exploitation/Assessment Linkage** – Develop & validate SSA to SSE hand-off Concept of Operations and Tactics, Techniques and Procedures* (4th Qtr FY08)
- **Future Joint Concept for CBRN Contamination Mitigation 2013 & Beyond** – Develop Concept Elements for a “Draft” Contamination Mitigation Concept* (4th Qtr FY08)





JEAD Future Experiments

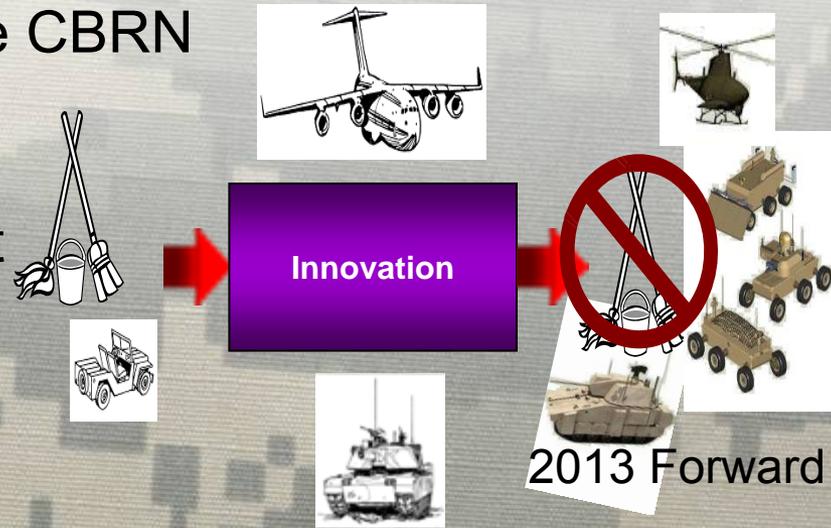
- **Automation/Robotic Decontamination** – Develop & validate Concept of Operations and Tactics, Techniques and Procedures
- **CB Distributed Early Warning System** – Validate Concept of Operations
- **Unmanned CB Vehicle CONOPS** – Develop & validate Concept of Operations
- **CBRN Intelligence Fusion** – Validate Concept of Operation
- **Modular Mobile Laboratory** – Develop & validate Concept of Operations and Requirements



Future Joint Concepts for CBRN Hazard Mitigation - 2013 and Beyond



- **Objective:** Discovery Workshop to describe how the joint force command will conduct CBRN contamination mitigation in support of the full range of military operation to achieve assigned objective.
- **JSTO** Funded, JRO, JPEO, JPM-Decon supported
- **Location:** Arlington, VA
- **Recommendations:** The concept will inform Department of Defense components' capability development and drive joint experimentation.
- **Result:** It provides the framework for the JFC to estimate the proficiency and sufficiency for future CBRN passive defense and consequence management capabilities. It further refines relevant portions of the Joint Integrating Concept for Combating Weapons of Mass Destruction.





Sensitive Site Exploitation/Assessment Linkage



- **Objective**: Determine what the requirements (e.g., information, material, etc.) to transition from the team performing SSA to the team performing SSE.
- **JRO Funded**
- **Location**: Aberdeen, MD
- **Recommendations**: Document capabilities needed to ensure a smooth transition from the team performing SSA to the team performing SSE. Detailed instructions on both how to perform an SSA and the procedure for reporting and handing off the site need to be included in published Joint doctrine.
- **Result**: Identified and characterized tasks required for both SSA and SSE.





Joint Threat Support





JTSB Foundation

Mission: Develop and coordinate intelligence & threat support products as required by CBRND acquisition programs and experimentation.

Key Accomplishments:

- Completed 6 Joint Test Threat Support Packages (JSGPM, JCAD, JBSDS, JSLIST-JC3, JECP and JCBRAWM)
- JSLNBCRS pending (Working on vignettes with MCIA for the JTTSP)



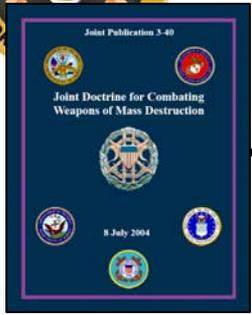


Doctrine Support to the Joint CBRN Force

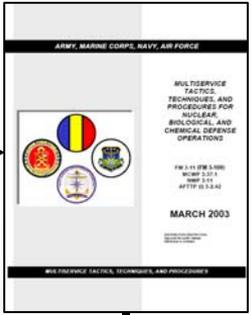




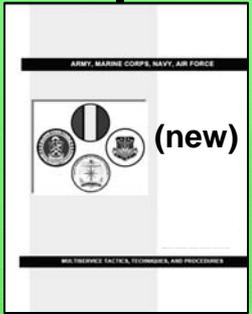
Joint CBRN Doctrine



Joint Doctrine
Combating WMD



NBC Defense
↓
CBRN Operations

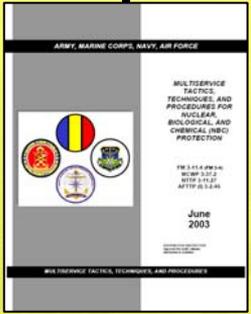


WMD Elimination



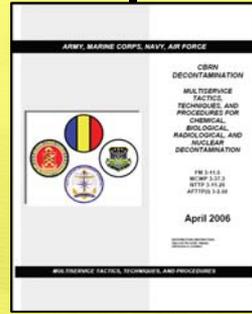
CBRN Contamination Avoidance

SENSE



CBRN Protection

SHIELD



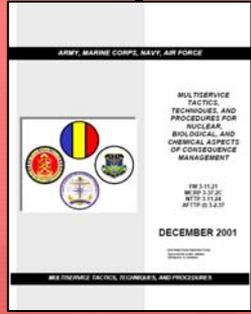
CBRN Decontamination

SUSTAIN



CBRN C2

SHAPE



CBRN Consequence Management

No longer just **PASSIVE DEFENSE**

Stability Operations

Major Combat Operations

Civil Support

Across the Entire Range of Military Operations...



Training Support to Joint CBRN Force





Training



CBRN Courses

- Providing Soldiers and leaders the adaptive skills to operate with all Services and designed to complement Joint Military Education
 - Supports professional military education and specific functional areas such as:
 - Civil Support Teams
 - USARC Domestic Missions
 - Technical Escort Missions
 - Stryker (L6)
 - Radiation Safety
 - Combating WMD
 - Designed to be Joint and Interagency focused
 - Supports critical Homeland Security skills needed for CCMRF and CERFP



- All courses being updated to reflect the full range of CBRN threats and better addresses WMD-E and Consequence Management missions
- Expanding chemistry, biology and radiological sciences (Explosive Chemistry)
- Institutionalization of COTS protection and detection equipment
- Train the full suite of automated Warning/Reporting/Analysis systems
- All our courses are open to all Services



Cave Complex
(Confined Space/Clandestine Labs)

Tanker Truck
(Damming/Diking/Diverting)

Railcars
(Boxcar, Low and High-Pressure Tankers)

Intermodal Containers
(40-foot and 20-foot)

Urban Training Site
(Warehouse, 3-story Bldg, Post Office, 2-story bldg with blast damage)

Main Building



CBRN Knowledge Network (CKN)



The screenshot shows the CBRN Knowledge Network (CKN) website. The top navigation bar includes links for Home, My Workspace, Site Map, My Favorites, Quick Links, and Self Service. Below this, there are several featured links and news items. The main content area is titled 'Chem School Gets Name Change' and includes a 'DOTMLPF Links' section with a table of links for various categories.

Doctrine	Organization	Training	Material	Leadership	Personnel	Facilities	
		<ul style="list-style-type: none">CBRN Basic Chemistry Course (dL)USACBRNS Training Materials This site contains training materials used by the U.S. Army CBRN School to train CBRN Warfighters.2007 CBRN Warfighter CTSB Information and Read-Ahead PacketWMD Elimination Technical Escort Units Joint WMD-Elimination HandbookContamination Avoidance (Sense) CBRN Reconnaissance Platoon (With Digital) Collective Task List CBRN Reconnaissance Platoon Collective Task List			<ul style="list-style-type: none">CBRN Protection (Shield) Continued Submit Nuclear, Biological, and Chemical (NBC) 1 Reports Supervise the Employment of Nuclear, Biological, and Chemical (NBC) Markers Implement Mission-Oriented Protective Posture (MOPP)		

- “Training” Tab includes:**
- Links to dL Courses
 - TSPs for training (over 50% of schoolhouse lessons) – with PowerPoint slides
 - Task Lists
 - Tasks – Collective & Individual
 - Handbooks

You'll find the link at:
<http://www.wood.army.mil/cbrns/>



CBRN Knowledge Network (CKN)



Army Knowledge Online - Windows Internet Explorer provided by DOIM, Ft. Leonard Wood, MO

https://www.us.army.mil/suite/portal/index.jsp

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AKO Army Knowledge Online

seven new self-development courses. Each course produces a completion certificate for dL credit ranging from 8 to 18 hours of credit. The new courses are--

- Advise Commander on Unit Mission-Oriented CBRN Protection
- Biological Defense Concepts
- Chemical Warfare Defense Concepts
- Nuclear / Radiological Warfare Defense Concepts
- Obscurants
- Operational Radiological Safety
- Toxic Industrial Chemical Defense Concepts

All these courses can be found in the course catalog and are available for self-enrollment at <https://chemical.learn.army.mil>

 **Revised CBRN Consequence Management Doctrine**
FM 3-11.21 "Multiservice Tactics, Techniques and Procedures for CBRN Consequence Management Operations" was published and posted to the Reimer Digital Library on 11 April 2008. This revision represents a culmination of coordination efforts to expand consequence management doctrine and TTPs for consequence management in three primary operational

Chief of Chemical

- Biography
- Philosophy
- Goals/Priorities
- SITREPS
 - Current SITREP
 - Archives
- Trip Reports
- Reading List
- Commandant Update
- Transformation
 - CM Corps Transformation
- MANSCEN Command Group Forum (Restricted Access)
- Former Chiefs of Chemical
- 2008 Red Dragon Ball Speech

Chemical Corps Regimental Command Sergeant Major

- Biography
- School Renaming Video
 - High Quality
 - Low Quality
- Enlisted Newsletters
 - March 2008
 - February 2008
 - January 2008
 - December 2007
 - Archives
- SMA's Leaders Notes
- Army Lessons Learned
- Enlisted Promotions
- HRC Chemical Corps Website
- Former RCSCM's
- Chemical NSORuler of the Year

DOTMLPF Links

Doctrine Organization Training Materiel Leadership Personnel Facilities

Additional Links

Request for Info Tech Reachback Feedback Lessons Learned

Request for Information

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Trusted sites 100%

start 5 Microsoft Office O... SMART Workshop Par... Army Knowledge Onli... Microsoft PowerPoint ... 9:07 AM



CBRN Knowledge Network (CKN)



Army Knowledge Online - Windows Internet Explorer provided by DOIM, Ft. Leonard Wood, MO

AKO https://www.us.army.mil/suite/portal/index.jsp

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AKO Army Knowledge Online

Welcome, Russell Gehrlein (CAC Session) | Create a Site | My Account | Help | Logout

CKN CBRN Knowledge Network

Email Files Forums Groups IM Forms Video People

Home My Workspace Site Map | Favorites Quick Links Self Service

Search... AKO Public Search

CBRN Lessons Learned (Related Content) Options

AKO Home > ACOM > TRADOC > Centers of Excellence > Maneuver Support CoE > CBRN School Online > CBRN Lessons Learned

Welcome to the CBRN Lessons Learned Page >>> Options

Lessons Learned. This section includes a collection of information with positive (sustain) and negative (improve or change) data related to CBRN Army Lessons Learned. It is further broken down into four categories: CBRN Lessons, Information Papers, Smart Cards, and GTA Cards that are directly related to CBRN Observations, Insights or Lessons, (OIL).



CBRN Lessons >>> Options

- 3RD ID CBRN Staff OEF/OIF1 Final AAR
- 3rd BCT-10th MTN IIR CBRN (Sep 07), (FOUO)
- V Corps - MNC-I IIR - CBRN Ops (Jul 07), (FOUO)
- 4ID - CBRN Ops - 4ID IIR (Feb 07), (FOUO)
- 2-V Corps Chem AAR, date unk
- 3-3ID Chem AAR, date unk, (OEF in Support of OIF)
- Task Force Ironhorse NBC AAR USACMLS_27MAY03
- Task Force Ironhorse (TF IH) (OIF) Phase III/IV NBC AAR, Aug 03
- 4-101ABN Chem AAR, date unk

Done Trusted sites 100%



International Initiatives





Key International Interactions



- **Training**
 - CDTF
- **CBRN International Commandants and Operational Commanders Conferences**
 - Panama City, FL Oct 07
 - Czech Rep, Oct 08
- **NATO Army Armaments Groups (NAAG)**
 - CBRN Joint Capability Group
 - CBRN Detection Identification and Monitoring Sub Group
- **ABCA – America, British, Canada, Austria and New Zealand**
- **Head of Delegation - NATO CBRN Training Working Group**
- **CBRN Subject Matter Experts Exchange (Israel, France, United Kingdom, Armenia, Canada, Germany and Saudi Arabia)**
- **Bi laterals (Current - Japan, Korea, Poland and Czech Republic; Future - Singapore and Romania)**
- **STANAGS**
- **LNO**



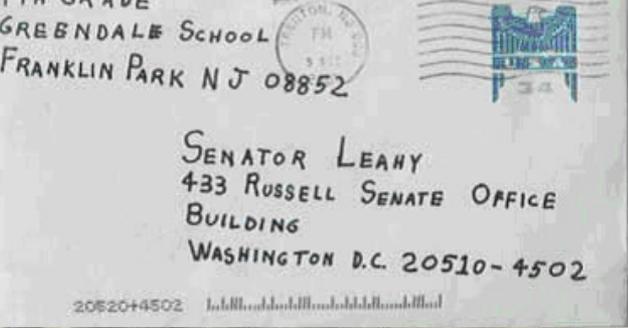
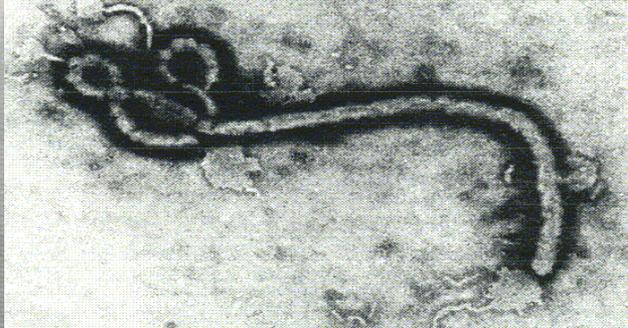


Operational Update





Threats





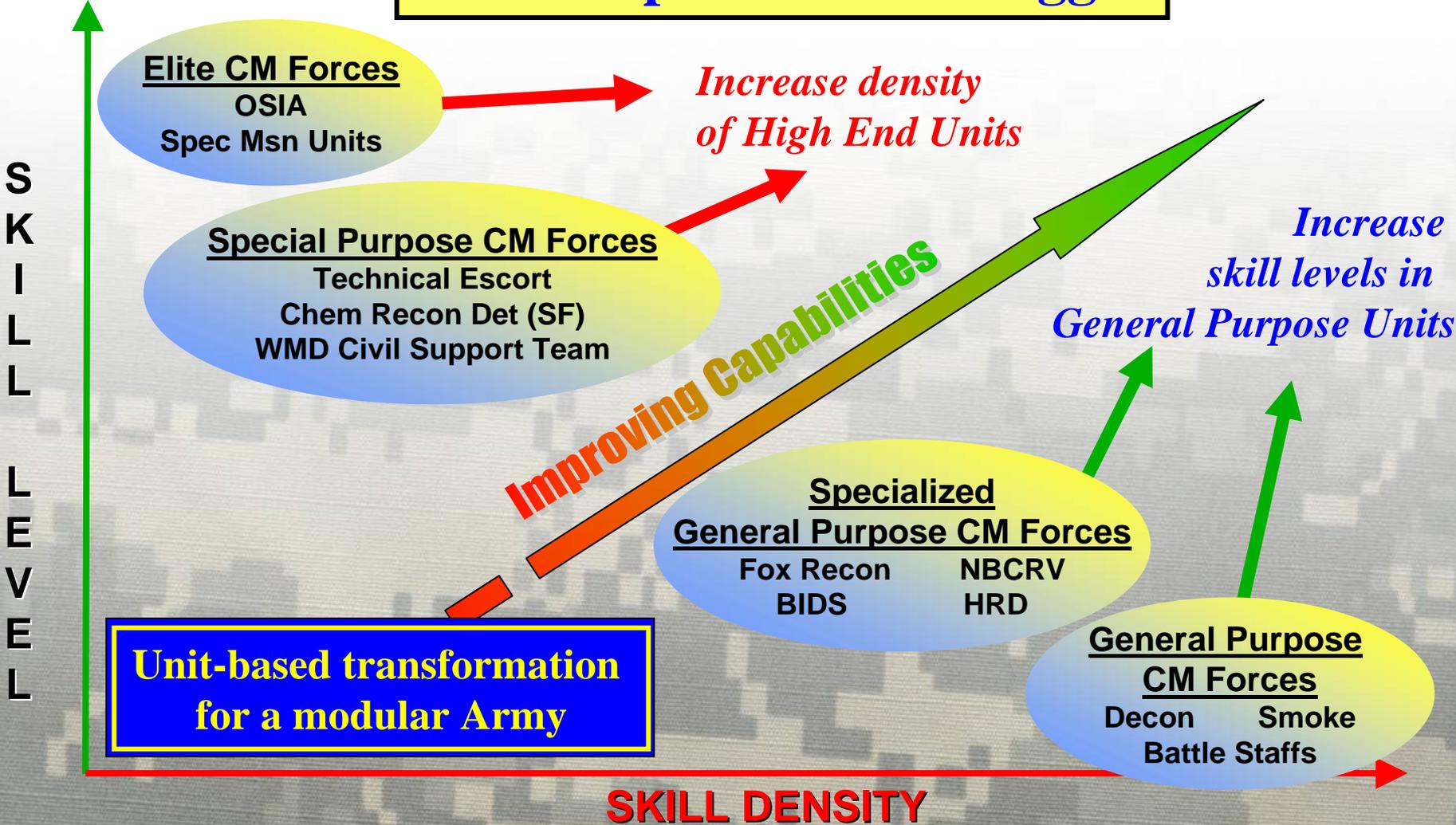
Transformation





Transformation Strategy

More Capable ... Not Bigger





Summary

- **The dangers our nation face and the importance of our mission require us to take a Joint and Interagency approach to the development of material solutions, doctrine, and training**
- **Realistic experimentation reduce the risk and cost of material solutions**
- **Our CBRN doctrine and training continues to transform in concert with Joint doctrine and the nature of the Contemporary Operating Environment**



Questions?