

20th CBRNE COMMAND

Chemical, biological, radiological, nuclear, explosives



BG William E. King, IV
Commanding General

A complex security environment

World | Mon Nov 23, 2015 10:25am EST

Related: WORLD, SYRIA

U.S. official says use of chemical weapons is 'routine' in Syria

AMSTERDAM | BY ANTHONY DEUTSCH



Recent attacks with chemical weapons in Syria

A confidential report by the OPCW provided the first of its kind, showing that Syrian rebels used mustard gas in Syria in August.

While the OPCW did not identify the chemical, diplomatic sources say the rebels in the town of Ghouta used the gas. The Syrian government forces denied the report.

That raised the possibility of a chemical attack to make it themselves.

Business | Tue Jul 19, 2016 11:03pm EDT

Related: WORLD, SOUTH KOREA, NORTH KOREA, AEROSPACE & DEFENSE

North Korea fires three ballistic missiles in new show of force

SEOUL | BY JACK KIM AND JAMES PEARSON



North Korea fired three ballistic missiles on Tuesday which traveled 300-360 miles into the sea off its east coast, South Korea said in a series of provocative moves by the isolated country.

The U.S. military said it detected launches of what it believes were a Scud and one Rodong, a home-grown missile based on Soviet-era technology.

North Korea has fired both types numerous times in recent years, unlike recent launches that were seen as efforts by the North to show its missile capability, Tuesday's were meant as a show of force.

July 23, 2015

U.S. Needs to do More to Counter New Hybrid Threats

By Daniel Gouré



The U.S. military has long been worried about the growing overseas hybrid threat. Hybrid threats are those that combine elements of modern warfare such as precision-guided weapons, unmanned aerial systems, rockets and short-range ballistic missiles and digital communications systems with more traditional aspects of low-intensity operations and organization. Terrorist groups such as Hezbollah and Hamas have been among the most effective practitioners of the art of hybrid warfare. In 2006, Hezbollah not only conducted massed rocket and missile strikes on northern Israel, but employed a sophisticated network of ground defenses employing advanced anti-tank weapons hidden among the Shia villages of southern Lebanon to neutralize Israeli ground forces. An anti-ship cruise missile



“The US faces a rapidly changing global security environment that is volatile, unstable, and increasingly threatening to US interests. It is time now for the Army to examine how to adapt to face future challenges within this dynamic environment.”

— *Force 2025 and Beyond*,
October 2014

Anytime...anywhere!!



20th CBRNE Command Capabilities and Missions

The 20th CBRNE Command provides deployable and expeditionary CBRNE capability across the range of CBRNE operations and

activities:

- Counter IED (CIED) Operations
- Render Safe and Disposal of all Explosive Ordnance (EO) and Improvised Explosive Devices (IED)
- Counter Weapons of Mass Destruction (CWMD) Operations
- CBRNE Reconnaissance and Surveillance Operations
- Decontamination of Personnel, Equipment, and Fixed Sites
- CBRNE and WMD Consequence Management Operations
- Field Laboratory Analysis of Suspected CBRNE Materials, Agents, and Toxins



Anytime...anywhere!!



20th CBRNE Command:

Globally Responsive and regionally engaged

The Army Vision, Strategic Advantage in a Complex World,
May 2015

- ✓ **Interoperable** – the Army of 2025 must be interoperable by enabling joint, whole-of-government, and multinational land based operations.
- ✓ **Expeditionary** – Enhanced country access and theater presence is necessary to support the Army's expeditionary capability. These deployments...promote interoperability and shorten response times in the event of a crisis.
- ✓ **Versatile** – the Army must inherently possess a mix of organic capabilities to address the full range of potential threats...which is increasingly important as hybrid threats will necessitate creative solutions.

Based on our unique mission, capabilities, and requirements, 20th CBRNE Command is actively engaged with our **CBRNE partners across military, civilian, first responder, and international communities**

Anytime...anywhere!!

Raven's Challenge 2016

Local, State, Joint, Interagency, multinational interoperability exercise

Location: Florida, Texas, New York, Washington

Date: April – June 2016 (1-week exercise at 4 separate locations)

Description:

- Raven's Challenge is a national level, full scale, live fire C-IED interoperability exercise involving US local, state, federal bomb squads, and multinational bomb disposal technicians.
- The exercise is focused on contemporary IED problem sets that vary in complexity while fostering increased interoperability in a tactical domestic environment.
- The exercise fosters close working relationships between civilian and military technicians to enhance DOD's ability to provide Defense Support of Civilian Authorities.



Participants from 3d EOD BN and the UK Royal Police Bomb Squad conduct a robot recon



Participants from the ATF and Army conduct hook and line procedures

20th CBRNE Elements: EOD Battalion and Companies across the command footprint *Anytime anywhere!!*



IRON Mask NATO multinational exercise

Location: Germany

Date: June 2016

Description: A multinational 11-day CBRNE readiness exercise hosted by the German 750th CBRN Battalion, including CBRN assets from the Danish, Dutch, German, and American armies, focused on improving CBRN interoperability between NATO allies.

The team was tasked to accomplish diverse problem sets outside the scope of traditional CRT operations:

- Assessment of an active chemical plant to inform future hazard predictions
- Response to a train derailment with suspected chemical agent
- Conduct of a combined area recon with a German recon team and American EOD assets for a suspected chemical mortar firing point
- Assessment of a building containing multiple IEDs and clandestine labs for HME, RDD, mustard, and biological

research *Anytime...anywhere!!*



A US and German Soldier plan the safest way to approach a potential chemical mortar firing point



The team interacts with role-players during a response to a train derailment



SHAMAL Storm multinational exercise

Location: Jordan in support of United Kingdom EOD forces

Date: March–April 2016

Description: Shamal Storm is a British logistics war game in Jordan that aims to ensure the UK can deploy a 30,000-strong force of tanks and troops to a crisis zone anywhere in the world.

The purpose is to conduct joint interoperability training exercise with EOD forces from the United Kingdom.

The EOD Company trained on interoperability in the latest explosives ordnance disposal and search capabilities, all of which will enable the Army to be more agile in deterring threats to the NATO allies and its interests.

20th CBRNE Elements: An EOD Company from 192nd EOD Battalion



Members of the UK Army demonstrate C-IED methods



UK Forces conducting urban terrain training

Anytime...anywhere!!



Precise Response NATO Multinational Exercise

Location: Canada

Date: July 2016

Description: Precise Response is an multinational exercise at Canadian Forces Base Suffield, in Southeast Alberta, Canada. The exercise involves scenarios and facilities for trained CBRNE teams from 11 different nations to exercise in a live-agent environment.

A CBRNE Response Team (CRT) participated to conduct multi-national, military-to-military CBRNE training.

20th CBRNE Elements: A CBRNE Response Team from the 110th CBRN Battalion

Anytime...anywhere!!



Members of CBRNE Response Team conducting exploitation operations



BG King discussing capabilities with a Dutch officer



Panama

Joint, Multinational, Interagency remediation operation

Location: San Jose Island (SJI), Panama (leased by the US in 1940–50s for use as a chemical munitions test site)

Date: January–March 2016

Description: Characterize and assess eight (8) chemical munitions for U.S. origin, condition, chemical content and fill on San Jose Island, Panama for possible destruction. The rounds are 70+ years old and are highly unstable.

This operation in support of SOUTHCOM required a whole of government approach and included Joint, Interagency and DoD partners from Department of State, Joint Program Manager for Elimination, Edgewood Chemical Biological Center, and Recovered Chemical Materiel Directorate.

20th CBRNE Elements: CARA's Remediation Response Team, EOD team, and 20th Medical team



The CARA team conducting mission planning



The CARA team heading downrange for an assessment



Prominent Hunt 16.1

Joint, Interagency Certification Exercise

Location: Philadelphia, PA

Date: March 2016

Description: PROMINENT HUNT is bi-annual joint, interagency certification training exercise for the FBI-led National Technical Nuclear Forensics mission. This combined force comprises the ground collection task force (GCTF), working in a direct support role to the Department of Justice (FBI) in the Homeland or the Department of State for overseas missions. This particular exercise included local/state law enforcement and emergency responders.

The Nuclear Disablement Team (NDT) and CBRN Elements have the mission to collect radioactive material evidence in the immediate aftermath of a nuclear detonation

20th CBRNE Elements: Nuclear Disablement Team and
51st CBRN Company

Anytime, anywhere!!



Team members conducting ground collection procedures



The team conducting mission planning



Ulchi Freedom Guardian Combined, joint Exercise

Location: Republic of Korea (ROK)

Date: August 2016

Description: Ulchi Freedom Guardian is an annual combined and joint interoperability exercise focused on the Korean Theater of Operations.

The command integrates with ROK CBRNE counterparts, in support of United States Forces Korea and 8th U.S. Army.

UFG 16 is scheduled to be the re-certification of the 20th CBRNE Command Headquarters as a Joint Task Force – Elimination.

20th CBRNE Elements: 20th CBRNE Command Operational Command Post, 48th CBRN Brigade, and subordinate CBRN, EOD, NDT, and Lab elements



Operations inside the Joint Operations Center during UFG 15



Combined awards ceremony in the Joint Operations Center for UFG 15

What we are learning

- **Capabilities**: We are learning about the capabilities of our Joint, Intergovernmental and Multinational partners
- **TTPs**: We are exchanging ideas on doctrine and tactics, techniques, and procedures (TTPs)
- **Materiel**: We are sharing ideas on materiel capabilities
- **Partnership**: We are practicing interoperability and building enduring relationships with our CBRNE partners across military, civilian, first responder, and international communities
- **Tailorable Forces**: We are practicing with scalable force packages that are tailored to meet the requirement

We are seeking partnership and training opportunities throughout the CBRNE enterprise to continue to enhance our collective capabilities

Anytime...anywhere!!



Building Partnership Capacity
Thru Mil-to-Mil Engagements

Recent/Pending CIED and CWMD Engagements:



Anytime...anywhere!!



Dragon Fire 17

Leader Interoperability Planning

Location: Leader planning in Germany; exercise in Washington

Date: Jul 16 (leader planning); Dragon Fire exercise (in 2017)

Description: 48th CBRN Brigade, in conjunction with the German Bundeswehr of the CBRN Defence Command, conducted a Leader Interoperability Planning session in Sonthofen, Germany.

The primary focus was conducting analysis on how to configure a Combined Brigade and Battalion while conducting Multinational CBRN operations for DRAGON FIRE, a full-scale, multi-state exercise distributed over 6 locations.

The outcome was a common understanding of a recommended combined staff structure and discussion of follow on training events before execution.

20th Elements: Representatives from 48th CBRN Brigade, *Anytime...anywhere!!*

subordinate CBRN Battalions and COs, 1st Area Medical



Members of the 48th CBRN Brigade and German Bundeswehr CBRN Defence Command discussing capabilities



DRAGON FIRE 17 Exercise Concept

Focus Areas for Training/Exercises

- Counter Weapons of Mass Destruction (CWMD) Mock Targets at 6 Locations
- ✓ Chemical
- ✓ Biological
- ✓ Radiological
- ✓ Nuclear (Facility)
- ✓ Explosives

Training Highlights

- Deployment & JRSOI
- Combined operations
- Live fire ranges
- Radioactive isotopes

FTX

ARMY INSTALLATION

- Level III Medical Care
- Supply Support Activity
- Possible Aviation Support
- **48th Lead**



FTX

LIVE FIRE TRAINING CENTER

- Ranges & local training
- Rail Head, Airfield & LSA
- Food service support
- Medical facility
- **48th Lead**



FTX



NUCLEAR PLANT

- Battalion TF CWMD objective
- Nuc / Chem / Rad / Explosive
- **20th Lead**



FTX



CHEMICAL DEPOT

- Battalion TF CWMD objective
- Chem / Rad / Nuc / Explosive
- Bunker complex
- **20th Lead**

STX



CHEM BIO TRAINING FACILITY

- STX lane
- Chem/Bio exploitation
- **48th Lead**

STX



RADIATION TRAINING FACILITY

- STX lane
- Live radiation – recon & decon
- **48th Lead**

CONCLUSION

- **The 20th CBRNE Command has unique CBRNE capabilities that have been tested and proven in combat**
- **As the Army's only formation with specialized CBRNE capabilities, the 20th CBRNE Command is focused on preparing to operate effectively across the spectrum of CBRNE threats and hazards**
- **The uncertainty of the rapidly changing strategic environment with a host of potential adversaries having increasing access to CBRNE capabilities and technology mandates an integrated, tailorable and scalable CBRNE capability within the 20th CBRNE Command**

Ready, Reliable and Globally Responsive CBRNE forces capable of leading and executing CBRNE related operations and activities, anytime...anywhere.





Questions?

Contact 20th CBRNE Command (410) 436-0330



Anytime...anywhere!!

