

20th CBRNE COMMAND

Chemical, biological, radiological, nuclear, explosives



Ready, Reliable...Globally responsive!

BG King, Commanding General



Command Video

Anytime...anywhere!!



the 20th CBRNE Command

- Department of Defense's only formation with specialized CBRN and EOD (CBRNE) capabilities and expertise to operate effectively across the full spectrum of CBRNE Hazards
- Department of the Army unit comprising 85% of the Active Army's Explosive Ordnance Disposal (EOD) and Chemical, Biological, Radiological, Nuclear (CBRN) Units
- Routinely engages and operates with and in support of Joint, Special Operations, Interagency and International CBRNE organizations and entities
- Maintains a 24-7 focus on countering the range of CBRNE hazards at home and abroad
- Highly-technical, special purpose, expeditionary formation of approximately 5,000 soldiers and 225 civilians posted across 16 States in the Continental US on 19 different installations

Anytime...anywhere!!

MISSION AND VISION

Mission

The 20th CBRNE Command deploys to support unified land operations and performs mission command for Army and/or Joint CBRN and EOD Forces to achieve National CWMD, Homeland Defense, and Defense Support to Civil Authorities (DSCA) objectives, while providing globally responsive CBRN and EOD forces to combatant commands.



Vision

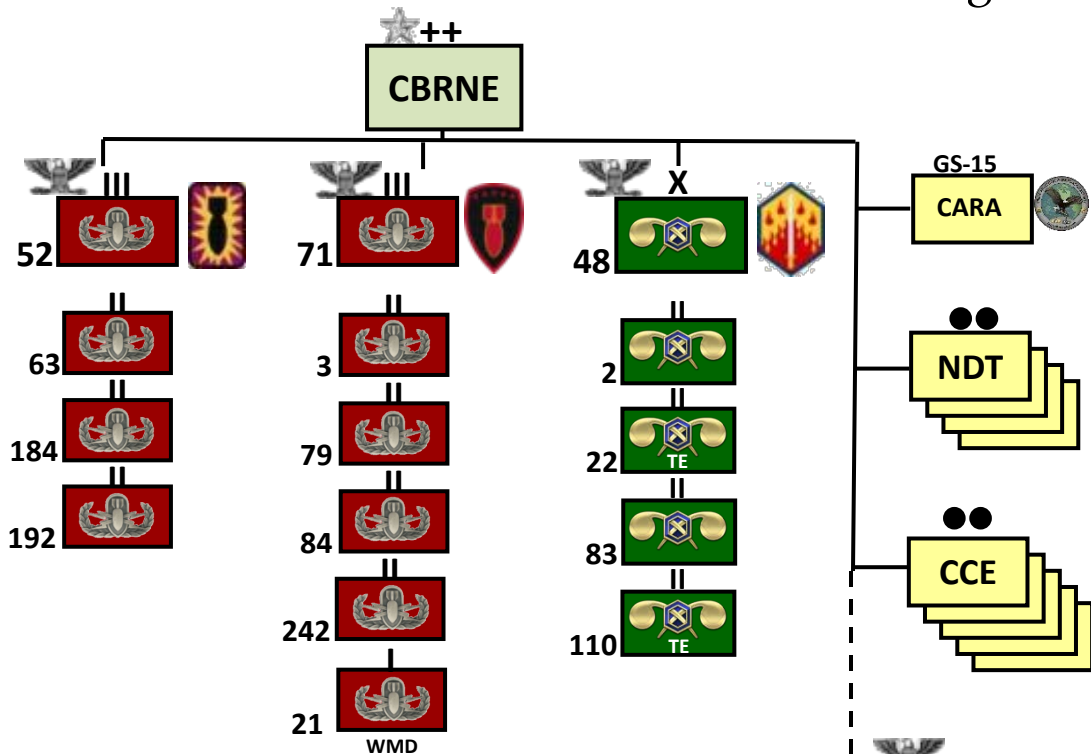
Provide the Army with Ready, Reliable and Globally Responsive CBRNE forces capable of leading and executing CBRNE related operations and activities, anytime...anywhere.



Anytime...anywhere!!



Current Task Organization



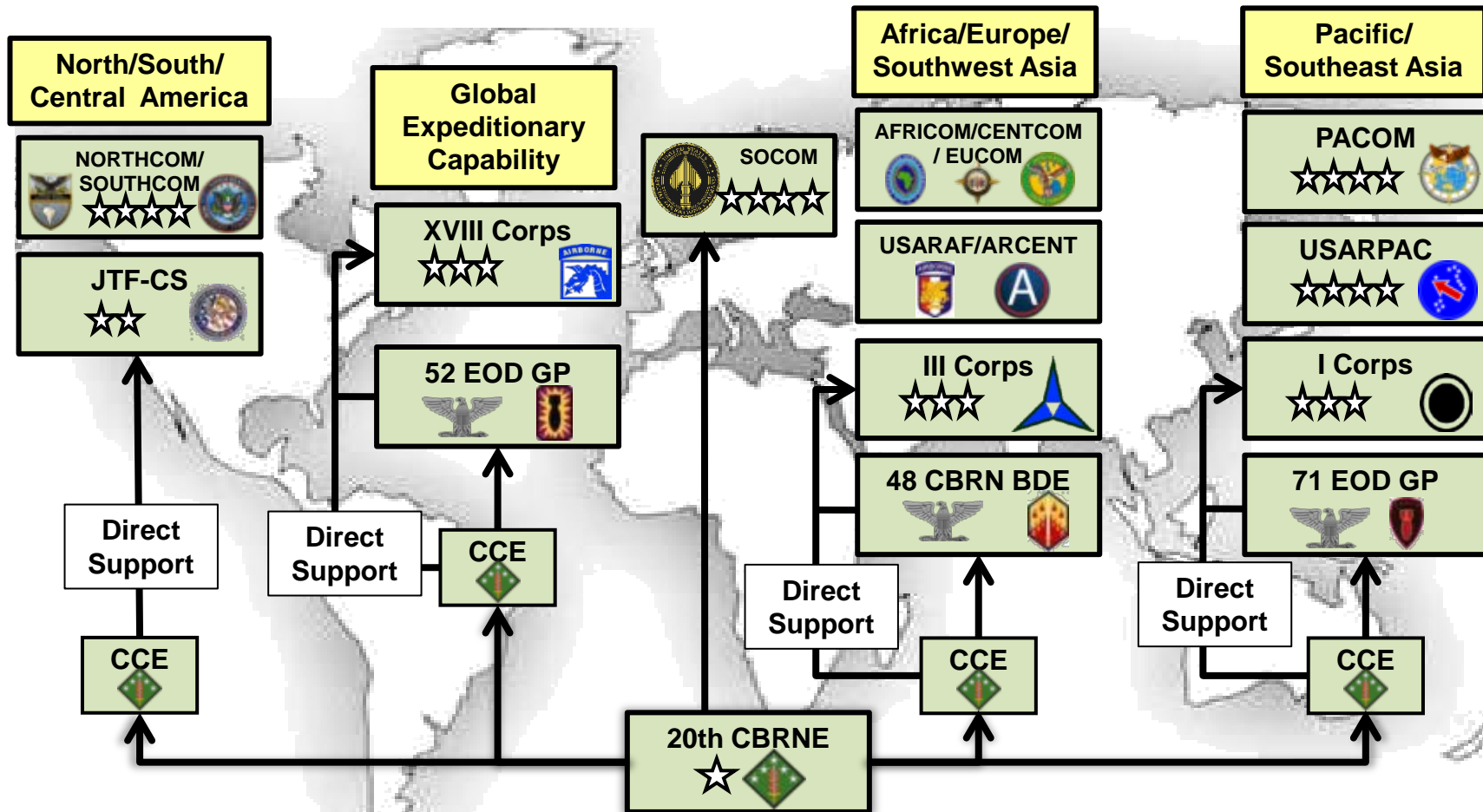
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| <p><u>EOD Operations</u> Identify, render safe, exploit and eliminate CBRN & explosive hazards (conventional and improvised)</p> | <p><u>CBRN Operations</u> Detect, identify, exploit, and decontaminate CBRNE threats and mitigate hazards</p> |
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| <p><u>CBRNE Analytical Remediation Activity</u> Recover, transport, escort, conduct emergency response and remediate Chemical Warfare material globally with four expeditionary forensic laboratories</p> |
| <p><u>Nuclear Disablement Team</u> Nuclear infrastructure experts in exploiting facilities with nuclear-related material</p> |
| <p><u>CBRNE Coordination Element</u> CBRN, EOD, and Nuclear Counter proliferation experts equipped with intelligence and communications support focused on CBRNE operational planning at the Corps</p> |
| <p><u>Consequence Management Unit (Reserve)</u> CBRN technical experts in CBRN threats and countermeasures</p> |
| <p><u>Area Medical Laboratory</u> Five expeditionary laboratories that identify, interpret, and communicate CBRNE Contaminate Hazards & Risk Mgmt</p> |

Anytime...anywhere!!



20th CBRNE Command Regional Alignment



Regionally Aligned, Integrated, Multi-Functional CBRNE Task Force Capability

Anytime...anywhere!!

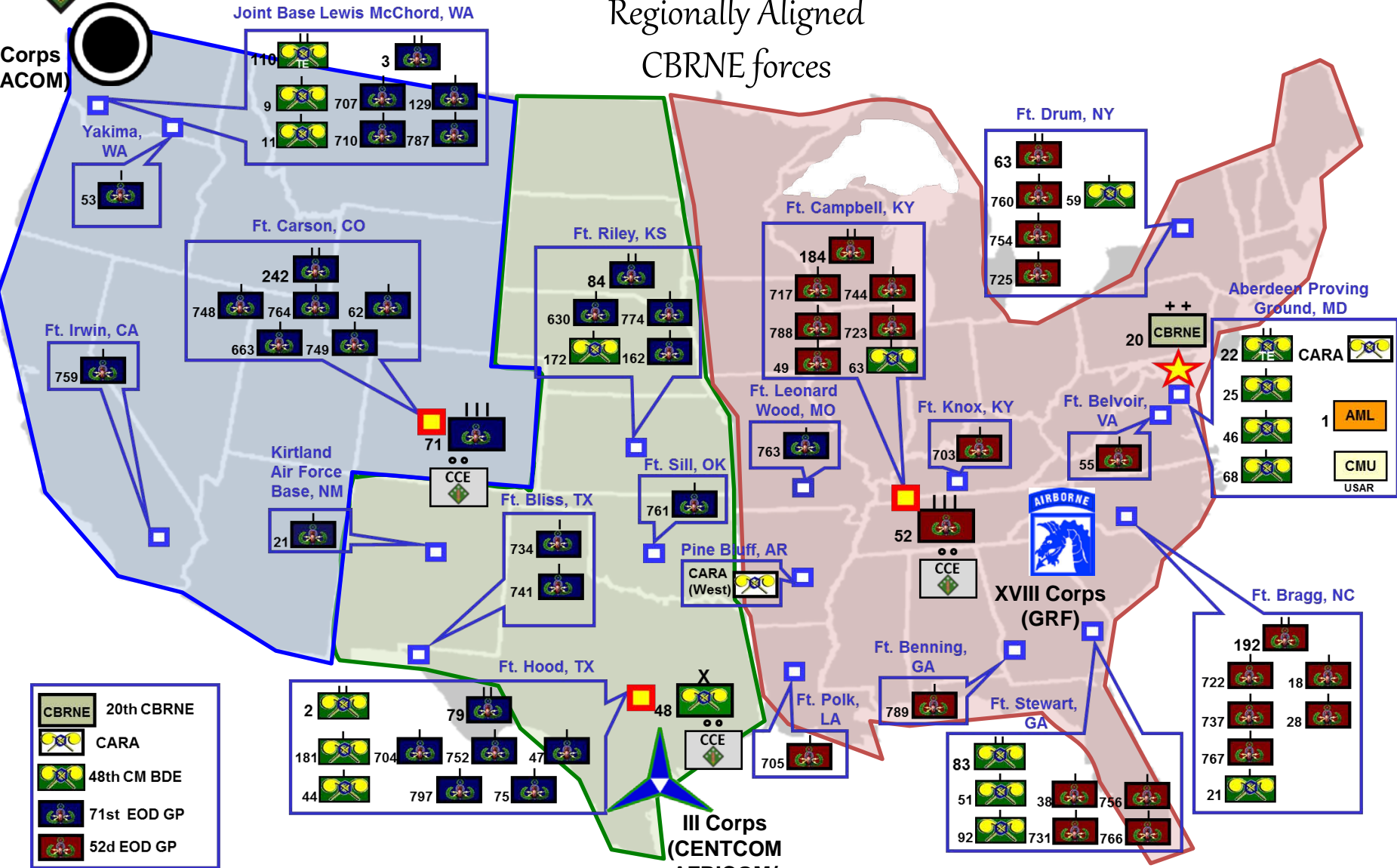


20th CBRNE Command

Ready, Reliable—Globally Responsive

Regionally Aligned CBRNE forces

I Corps (PACOM)



Anytime...anywhere!!



CBRNE Operational Integration at the Combat Training Centers

Background:

- In Aug 13, due to an emerging CBRNE contingency in CENTCOM, and in preparation for its Global Response Force mission assumption, the 82nd Airborne Division modified their Joint Readiness Training Center Rotation 13-09 to include a CBRNE Battalion Task Force with a mission command element.
- FORSCOM subsequently increased the integration of CBRNE into 2014 rotations. 20th provided CBRNE BN TF packages to 7 rotations in 2014 and has 4 rotations scheduled in FY15 & FY16.

NTC

- Integrated \$160K in equipment to establish realistic CBRNE targets (Jan 14)
- Incorporated National Lab nuclear technologies – centrifuges and enrichment (Jun 14)
- Delivered ECBC training aids including 6 mobile CB targets (Aug 14)
- Building CBRNE Underground Facilities (2015)

JRTC

- Integrated \$180K in equipment to establish realistic CBRNE targets (Mar 14)
- Delivered ECBC training aids including 6 mobile CB targets (Aug 14)
- Constructed a nuclear production/reprocessing facility (Sep 14)
- Building CBRNE Underground Facilities (2015)

To Scale Training Venues

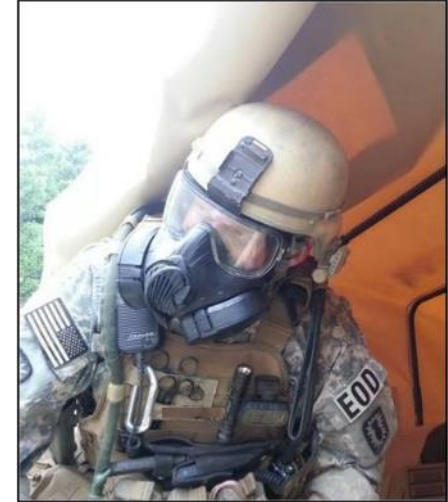
Anytime...anywhere!!



Combat training centers - Emerging GAPs

- ✓ Communications – ability to communicate rapidly with supported forces, within and across our formations, enabled with reachback to communities of purpose
- ✓ Protection/Sustainability – protective ensemble that reduces our reliance on consumables, while providing greater protection and reduced physical stress to our forces, that is suitable for sustained expeditionary operations
- ✓ Mobility – lightweight, expeditionary equipment and forces who can rapidly deploy to the objective while maintaining tempo with their supported forces
- ✓ Detection/Situational Awareness – widely distributed sensor arrays that enable remote monitoring and detection, situational awareness, and a common operating picture

Pursuing materiel solutions with JPEO-CBD, PEO-C3T, DTRA, and TRADOC through a proposed Advanced Technology Demonstration



Understanding The Operational Need

✓ Information Systems:

- ❑ How can we capitalize on the trajectory of technology to enable rapid situational understanding of CBRNE hazards up, down and across the communities of interest?
- ❑ How do we achieve a confederation of sensors, including the Soldier's handheld and remote detectors, all linked in real time to a common operational picture?
- ❑ How do we link the Soldier at "*The Point of Touch*" to a network that links the whole of the community of interest to rapidly confirm the hazard?
- ❑ How can we create detection systems that results in reduced Soldier exposure to CBRNE hazards while maximizing the effects of our personnel's time on target?

✓ Sustainability – how can we reduce the logistical burden of consumables and expendables required of CBRNE Operations?

✓ Decontamination – how can we reduce our dependency on bulk liquids while moving toward a more precision-based approach to decontamination?

✓ Protective Ensemble –

- ❑ How can we improve our Soldier's ability to operate with increased effectiveness in CBRNE environments where it's difficult to hear, breath, see, and communicate?
- ❑ How can we create a tailorable/modular protective ensemble to meet the anticipated conditions of the operational environment versus our current "one size fits all" solution?



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 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**
- **The 20th CBRNE Command seeks to maintain our relationships with industry and academia to ensure our forces maintain state-of-the-art capabilities**

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

Anytime...anywhere!!





Questions?

Contact 20th CBRNE Command (410) 436-0330



Anytime...anywhere!!

