



# ALBANIAN ARMED FORCES



## **ASSURING MOBILITY ACROSS THE SPECTRUM OF CONFLICT**



# ALBANIAN ARMED FORCES



## AGENDA

- Training forces for robot systems**
- The role of robots and autonomous systems in assuring mobility**
- Specialist capabilities for gap-crossing**
- Breaching, mine clearance, C-IED, EOD**



## TRAINING FORCES FOR ROBOT SYSTEMS

### □ Land & Aerial force applications

- ✓ UGV and UAV technology provides enhanced operator perception and control, minimizing training time and risk to field-operators.
- ✓ Powerful integration with leading UGVs offer advanced capability for operators undertaking complex intervention and inspection tasks including:
  - IED Intervention
  - Surveillance
  - Reconnaissance
  - Aerial Applications (Drone Applications)



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## TRAINING FORCES FOR ROBOT SYSTEMS

Support Command



1. MK-7
2. Packbot 501
3. Talon (Gen 4)





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## THE ROLE OF RAS IN ASSURING MOBILITY

### ❖ **Combat Engineer Coy tasks:**

- Conduct mobility, counter-mobility and survivability in support of combat forces.
- Clearing explosive hazards
- Creating/destroying obstacles.
- Demolitions
- Mining/De-mining
- Extraction of infantry personnel and/or IFV from minefields



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## THE ROLE OF RAS IN ASSURING MOBILITY

### ❖ Acquisition of CMB engineer vehicles/equipment 2024-2027:

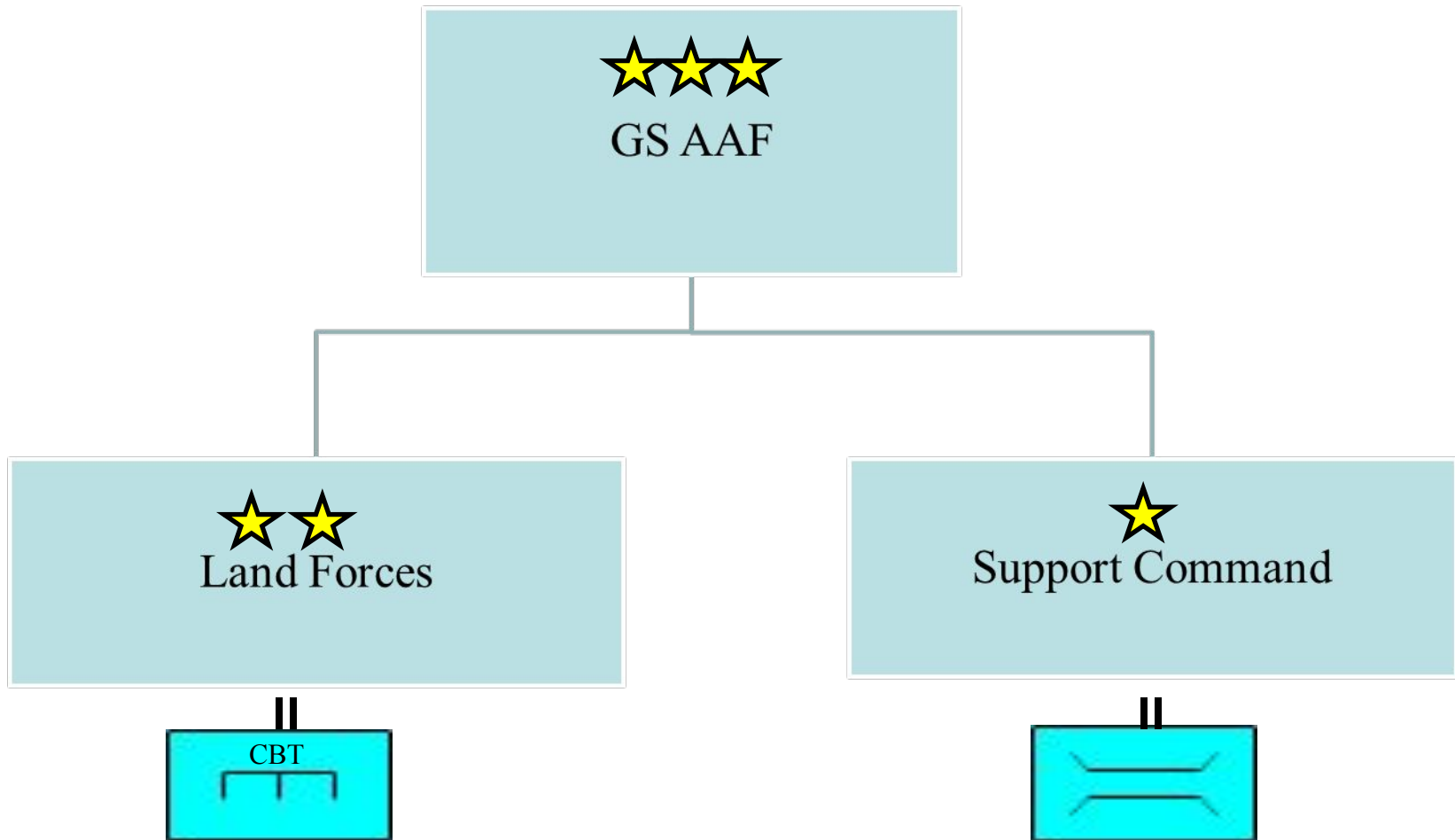
- Assault Breacher Vehicle
- Mine-clearing line charge
- Bridging vehicles
- Obstacle removal vehicle
- Minelying vehicle

AT THE TIME NO RAS ARE AVAILABLE WITHIN AAF



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## SPECIALIST CAPABILITIES FOR GAP-CROSSING







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## SPECIALIST CAPABILITIES FOR GAP-CROSSING

### **Bridge Coy of SC:**

- 2 Plt (1 x mechanical plt; 1 x mobile plt)
- Capable for deploying up to 25 lm of Bailey bridges per day
- Builds approximately 14 bridges per year within the country
- Acquisition of Mechanical Bridges and Rapid Bridge Installation System is ongoing. Operational Requests have been submitted to the GSAAF since 2023. ETA 2026



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## BREACHING, MINE CLEARANCE, C-IED, EOD

### ❖ Breaching:

- Special Operations Regiment, Commando Battalion, 2<sup>nd</sup> LIBG LF, Combat Engineers Coy, EOD Coy.

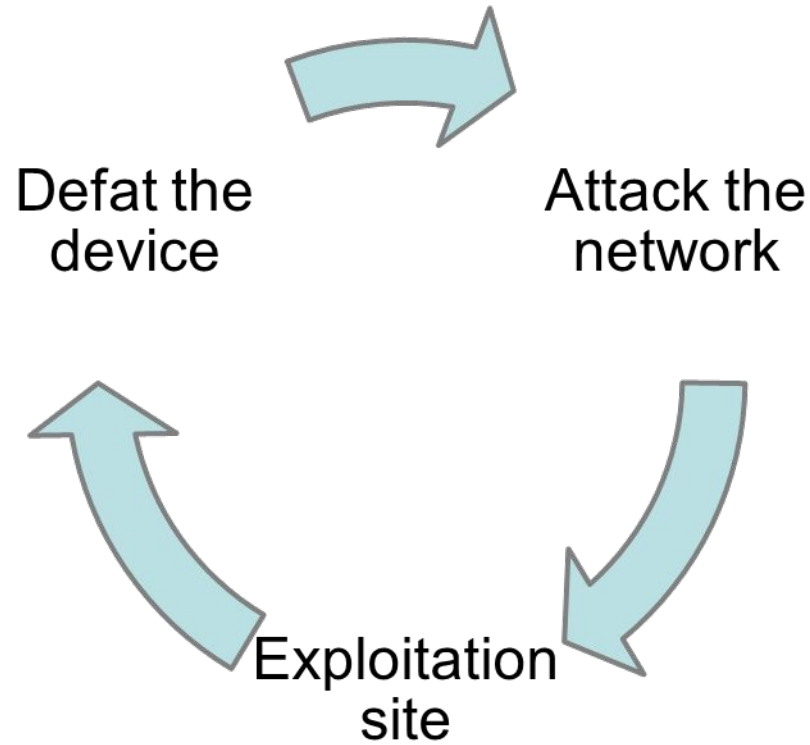
### ❖ Mine clearance

- CSS BN conducts manual and mechanical mine clearance ops
- Engineer battalion conduct mine clearance ops only for military purpose.



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## C-IED





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## C-IED

### ❖ **Attack the network**

- Go-vernal effort.

### ❖ **Exploitation site**

- Military lab, State Police Dept Lab

### ❖ **Defeat the device**

- Tactical level task:



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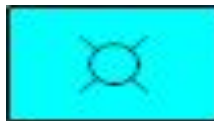
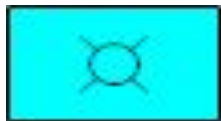


## EOD

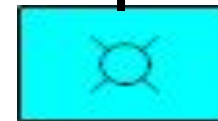
Land Forces

NAVY

Support Command



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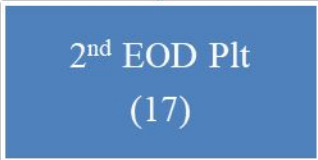
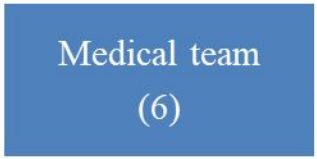




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## EOD





## EOD

### ❖ **Achievements**

- 55.000 tons of ammunitions have been disposed by open detonation/burning since 2002
- Hot-Spot clearance: at least 25 areas including RoW and old BAC.



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## EOD

### ❖ **Tasks:**

1. EOR and positive identification of conventional munition.
2. Disposal of UXOs by open detonation
3. Disposal of booby-traps and IEDs
4. RSP of IEDs and UXOs
5. Mine-fields clearance (only for military purpose)
6. Hot-Spots and BAC including RoW
7. Transportation and final disposal of UXOs
8. Convoy protection from booby-traps and IEDs.
9. Extraction of wounded personnel from mine-fields.





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## EOD

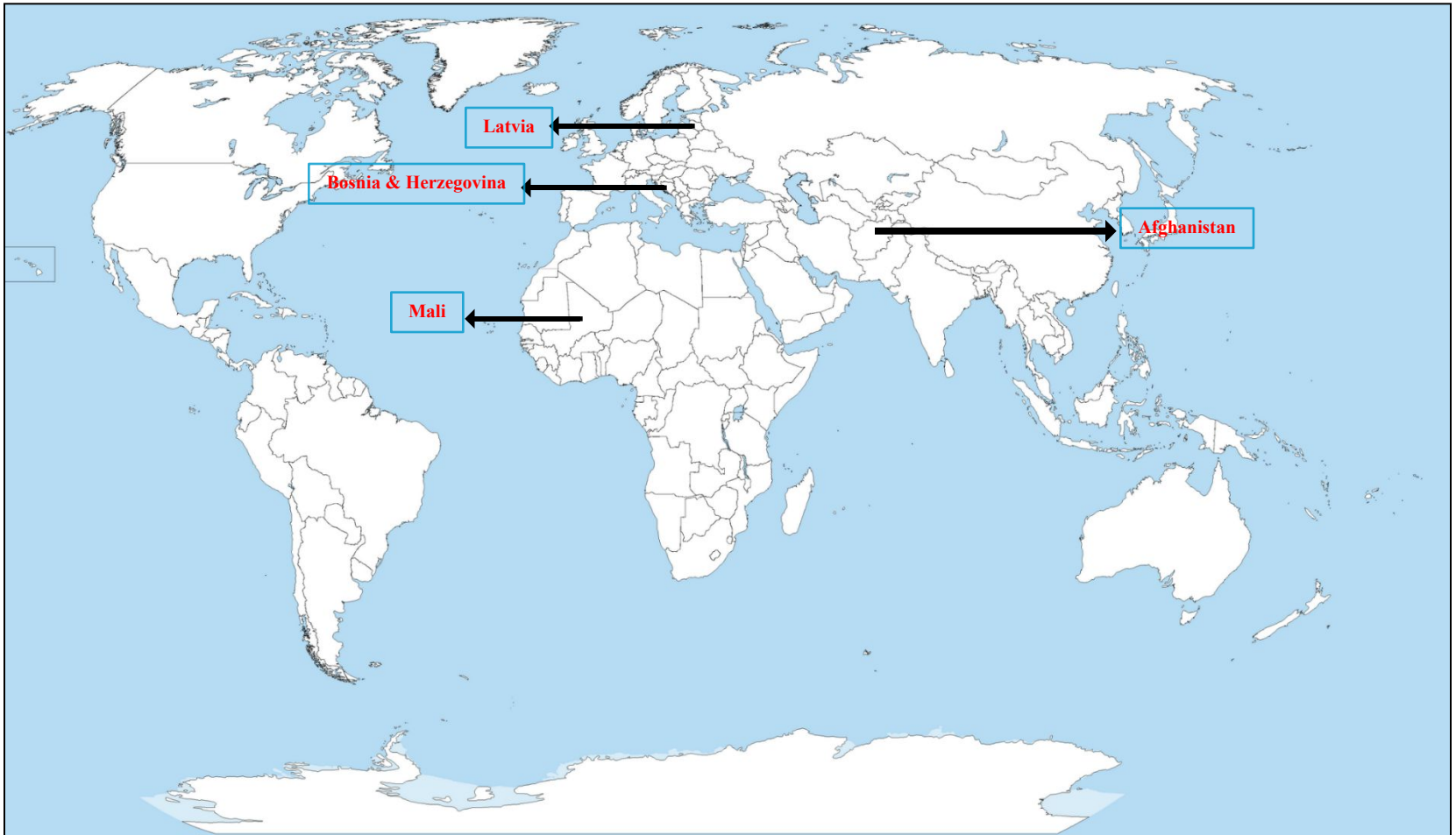
- ❖ **Multinational Exercises**
  - Immediate Response (CPX/CAX)
  - Longbow Lancer (LIVEX)
  - Saber Junction (CAX)
  - Combined Resolve (CPX/CAX)
  - Defender Europe (CAX)
  - Biza (CPX/CAX)
  - Efes (CPX/CAX)
  - Detonator (LIVEX)



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## EOD

### ◆ Multinational deployments



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## EOD

### ◆ Multinational deployments

1. Mission “ALTHEA” Bosnia & Herzegovina 2008-2013, 10 rotations
2. Mission “EUTM”, Mali 2015-2019, 9 rotations
3. Mission “eFP BG”, Latvia 2017-ongoing, 14 rotations
4. Mission “OMLT-A”, Afghanistan: EOD elements included



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Thank you!

Questions ?

Comments ...