

# *Headquarters Air Combat Command*

---

## *AF Requirements*



**BGen Tim Byers**  
**ACC/A7**  
**26 Mar 09**

This Briefing is:  
**UNCLASSIFIED**

---



# ***Airmen Engaged and in the Fight***

- **AF transporters, contracting specialists, Intel, medics, services, security forces and many others are all on the ground supporting the current war effort**
  - **Providing critical combat support to land component forces**
- **Our Engineers are supporting Joint tasks...RED HORSE; building roads, repairing bridges and critical infrastructure...EOD; defeating the IED threat; working to deny the enemy resources to make IEDs...finding and destroying weapons caches, working as weapons intelligence team members to use forensics to identify bomb makers**



**Airmen are members of the Joint team...one team, one fight**



# ***Weapons Storage Areas (WSA)***

## ***Robotic Requirements***

- **Increase in security requirements to protect our AF WSA drives a need to find better means to protect assets**
  - **Deployments on the rise; lack of manpower to support home-station mission**
  - **Need a force multiplier... a semi-autonomous robot to augment our security forces and provide relief for stressed manning**
- **Potential solutions... \*MDARS and \*\*IVAN: small and nimble robotic patrol force with a capability to integrate both lethal and non-lethal payloads to support security missions**
  - **Robots can perform repetitive/dangerous tasks of protecting critical assets e.g., routine patrols; response, investigation and neutralization of threats to critical resources**
  - **Joint service collaboration on requirement and solution development**



# Overview – Airfield Damage Repair (ADR)



- 1) Assess Runway Damage & Unexploded Ordnance (UXO)
- 2) Determine Minimum Airfield Operating Surface



- 3) Render Safe any UXOs



- 4) Repair Up to 100 Craters on Runway and Up to 100 on Access Surfaces

**Return Runway to Operational State for All Aircraft/4-6 Hrs**