



US Central Command Technology / Concept Development



Charter

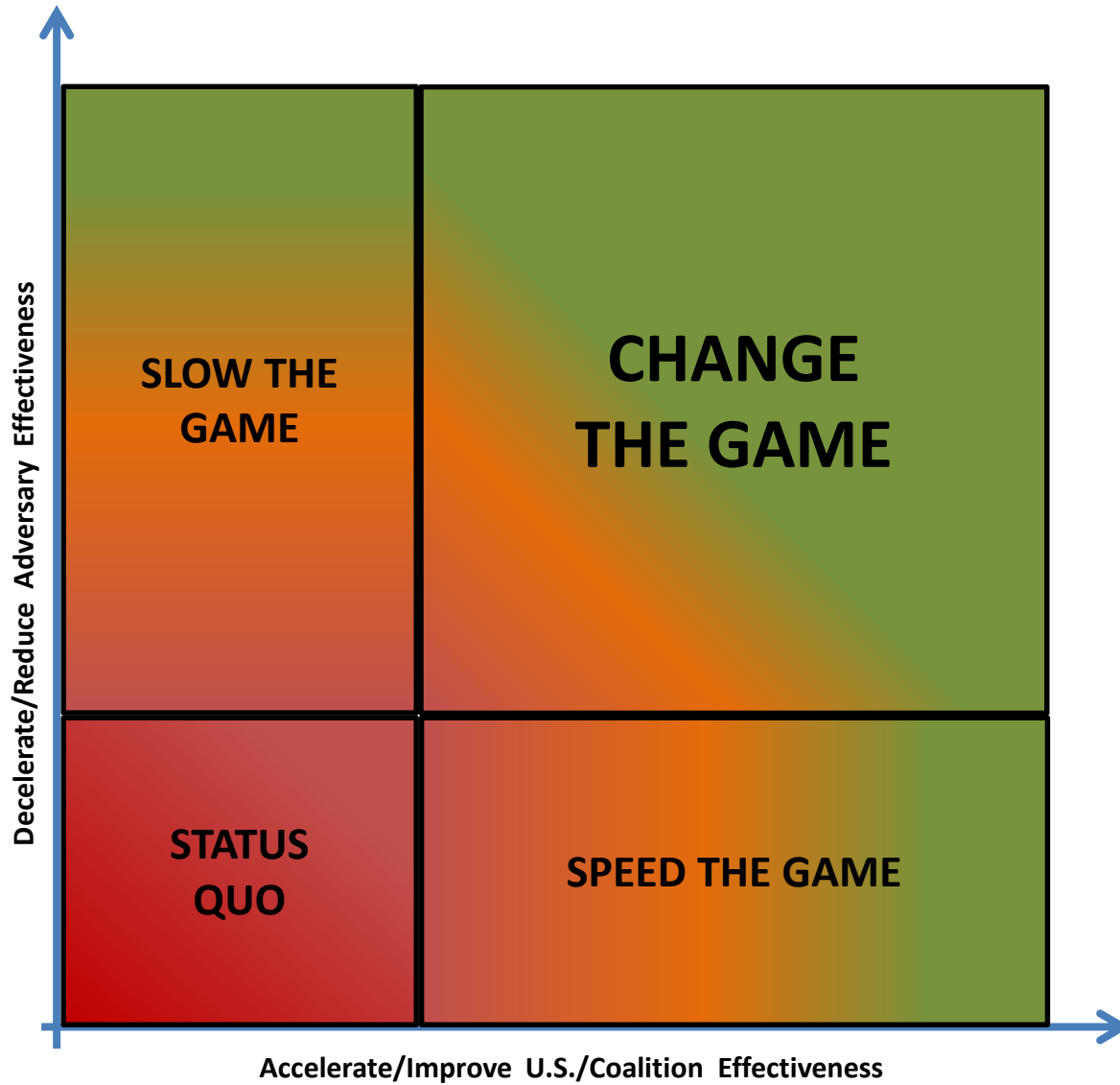
Conduct ***discovery, research, analysis,*** and ***sponsor development*** of new and emerging ***technologies*** and ***concepts*** which have the ***potential to provide solutions*** to Headquarters and Component validated Joint needs.

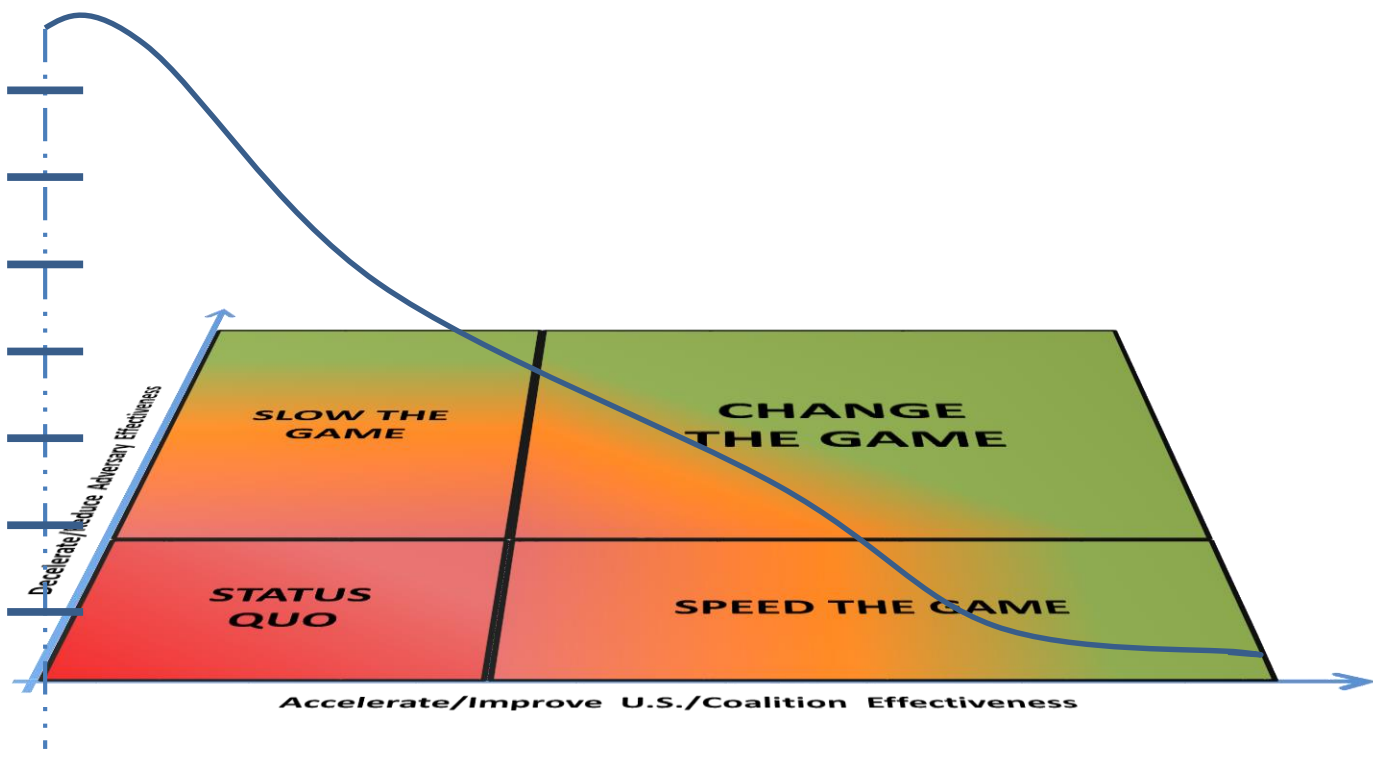
Review USCENTCOM and Component ***plans, operations,*** programs, policies and activities for areas where ***technology/new technique*** will improve efficiency and effectiveness.

Integrate across USCENTCOM headquarters and Component staffs for transformational, integrating, and experimentation activities.

U.S. Central Command Tech Focus

- We focus on the **JOINT** solution that has the potential to satisfy a **JOINT validated** need
- Separate from the many technology needs of our customer(s) those technology challenges which:
 - *Do not have a readily available solution*
 - For high-impact needs there is *insufficient activity pursuing a solution*
- Seek out game-changing technologies which our customer(s) don't know they need





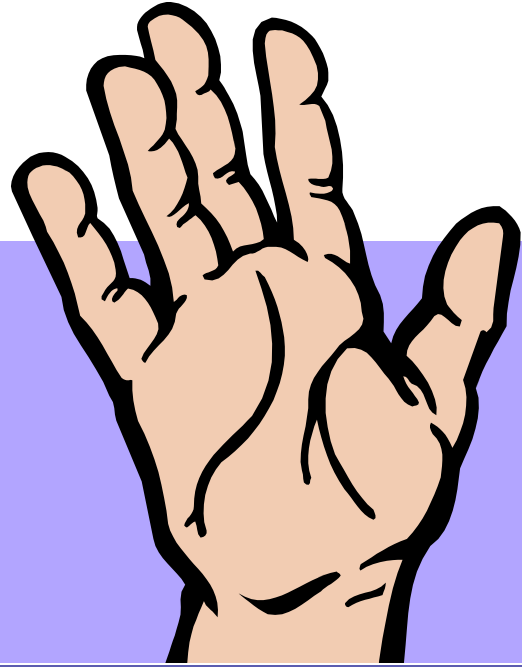
Thematic areas of concern

(not in priority order)

- *A2AD solutions*
- Detect / Defeat:
 - IED initiators / initiator systems
 - Buried / concealed IEDs
 - Production and assembly of IEDs
- HME production standoff detection
- Culvert access denial / alerting
- Persistence in surveillance
- Biometrics (Identity dominance for FP/access)
- Non-lethal vehicle / vessel stop
- Reduce stress on the force:
 - Force Protection requirements
 - Increased automation
- Anti-swarm lethal / non-lethal
- *Enable Partner Support*
- Predictive analysis techniques
- *Tunnel detection / defeat*
- Holding all targets at risk
- *Messaging / counter-Messaging*
- *Mine Warfare (offensive/defensive)*
- *IAMD overmatch solutions*
- C4ISR systems:
 - *Processing, exploitation & dissemination*
 - Multi-level security
 - Cross domain solutions
 - *Information access to tactical edge via MIL Comms, Cellular & WiFi*
- Tagging, Tracking, and Locating (TTL)
- *Denying non-state actors state-like functions*
- Energy & Power efficiencies
- Scalable non-lethal / lethal effects
 - Directed Energy
 - Kinetics
- True SA for Blue ... Fused Red
- Sustaining the force – reduced size, weight, amount, and retrograde
- Any sensor any shooter
- *Cyber Warfare*
- *Detect, track, defeat UAS (Grp 1&2)*

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Raise your Hand



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