



UNITED STATES EUROPEAN COMMAND
UNIT 30400
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MEMORANDUM FOR RECORD

SUBJECT: United States European Command Science and Technology Focus Areas

1. This document outlines the U.S. European Command (EUCOM) Science and Technology focus areas, aligned with the Command's operational mission requirements. EUCOM places special emphasis on technologies leveraging Modular Open Source Architecture to enable greater Joint, Allied, and partner interoperability and integration.

- a. Kinetic and Non-Kinetic Effects
 - Low-cost, attritable systems
 - Integrated Air & Missile Defense systems
 - Undersea sensing, effects, and resilience
 - Autonomous and cooperative systems
 - Counter Unmanned Aerial Systems
 - Ground-based, long-range, large area effects
 - New and developmental effects systems
 - Cyberspace sensing and effects
 - Electronic attack resilience technology
- b. Technology and Data Integration
 - Outside Continental United States Multi-Level Security Cloud Capability
 - All-domain planning and decision support technology
 - Information superiority technology
 - Resilient Command, Control, Communications, Computers, and Intelligence Systems
- c. Logistics & Sustainment
 - Early entry bulk fuel distribution system in a contested environment

Attachments:

1. (U) EUCOM Science and Technology Focus Area Descriptions

Attachment 1: EUCOM Science and Technology Focus Area Descriptions

1. **Kinetic and Non-Kinetic Effects:** Complementary ways military power and related instruments are applied to influence adversaries, protect allies, and achieve operational and strategic objectives.

a. **Low-cost, attritable systems:** Inexpensive, expendable, and rapidly replaceable platforms—often unmanned—that can be fielded in large numbers to generate and sustain combat power and complicate an adversary’s targeting and decision-making, even when many are lost in combat. Includes ability to rapidly iterate, scale production and team with legacy weapons/systems.

b. **Integrated Air & Missile Defense:** Resilient combined, layered, and networked system of U.S. and allied capabilities that detects, tracks, decides on, and engages air and missile threats to protect forces, populations, and critical infrastructure.

c. **Undersea sensing, effects, and resilience:** Technologies and systems designed to achieve and maintain undersea superiority in contested environments.

d. **Autonomous and cooperative systems:** Intelligent platforms and software that can operate independently or in concert with other manned and unmanned systems.

e. **Counter Unmanned Aerial Systems:** Control the air environment—leveraging friendly air and unmanned systems while denying adversaries the ability to exploit drones or other aerial platforms for surveillance, attack, or coercion, focused on countering group 1 and 2 threats.

f. **Ground-based, long-range, large area effects:** Theater-level land capabilities that can project significant, scalable combat power across great distances to shape the operational environment and support deterrence.

g. **New and developmental effects systems:** Emerging, modernized, or prototyped weapons—lethal and non-lethal—that are being fielded, tested, or refined to address current and anticipated threats.

h. **Cyberspace sensing and effects:** Capabilities to achieve superiority in the cyberspace domain by integrating cyberspace sensing with a full spectrum of cyber effects.

i. **Electronic attack resilience technology:** Capabilities that protect and enable friendly forces to operate in a congested and contested electromagnetic spectrum.

2. **Technology and Data Integration:** Coordinated integration across weapons, communications, sensors, logistics, and intelligence—into a single, secure, and interoperable information environment using common standards to provide warfighters and leaders with timely, accurate, and actionable insight for planning and operations.

- a. **Outside Continental United States Multi-level Security Cloud Capability:** Provide secure, theater-based cloud services outside the continental United States supporting multiple classification levels (Unclassified through Top Secret). Operates in contested environments with strict separation and control of classified data, compliance with U.S. defense and coalition security requirements, providing resilient, low-latency support for warfighting applications.
 - b. **All-domain planning and decision support technology:** Advanced software and AI-driven tools that integrate data from all operational domains (air, land, sea, space, and cyber) into a single, coherent picture. This technology enables commanders to visualize the battlespace, anticipate adversary actions, and receive data-backed recommendations for synchronizing joint and coalition operations at speed and scale.
 - c. **Information superiority technology:** The collection of tools, techniques, and networks used to gain and maintain a decisive advantage in the information environment.
 - d. **Resilient Command, Control, Communications, Computers, and Intelligence Systems:** Integrated networks, tools, and processes that allow EUCOM and its component commands to plan, direct, coordinate, and assess operations under sustained attacks.
3. **Logistics & Sustainment:** AI-enabled systems and equipment that enable planning and executing the movement, supply, and maintenance of forces, encompassing areas like transportation, inventory management, health services, and facilities.
 - a. **Early entry bulk fuel distribution system in a contested environment:** Rapidly establish, protect, and operate a theater fuel network from the very start of a crisis or conflict.