United States
Africa Command

National Defense
Industrial Association

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Partnership  ·  Security  ·  Stability
Outline

• Our Mission
• Global Security Challenges
• Security Focused Vision
• Building Security Capacity
• S&T Requirements / Focus Areas
• Summary
U.S. Africa Command Mission Statement

United States Africa Command, in concert with other U.S. Government agencies and international partners, conducts sustained security engagement through military-to-military programs, military-sponsored activities, and other military operations as directed to promote a stable and secure African environment in support of U.S. foreign policy.
Bottom Line Up Front -- Why U.S. Africa Command?

• Provides dedicated focus on Africa
  – Single geographic combatant command responsible for all Department of Defense programs and activities in Africa
  – Continent, island nations, maritime zones, and airspace
• Supports U.S. foreign policy goals and objectives
• Protect American lives and interests in Africa and in the homeland
  – Performs military-to military activities that help build capacity of African partners to counter transnational threats
  – Foster increased security and stability
  – Support peacekeeping operations
  – Address consequences of humanitarian disasters
African Problems are Global Security Challenges

- Piracy
- Trafficking
- Irregular Militaries
- Terrorism & Extremism
- Ethnic Strife
- Undergoverned Areas
- Pilferation of Resources (e.g., Illegal Fishing)
- Pandemic Disease – HIV/AIDS
- Insufficient Means to Confront Challenges
- Dependence on Foreign Assistance

Large
Diverse
Complex

11.7 million square miles
3-1/2 times the Continental United States
1 Billion people
Over 800 ethnic groups and 1000 languages
A Security-Focused Vision for Africa

Expressed By Our African Partners

- Capable and accountable military forces
- Strengthened security institutions
- Ability to dissuade, deter and defeat threats
- Able to support international peace efforts

How We Can Help?

- Build Operational Capacity
- Build Institutional Capacity
- Build Human Capital
Building Security Capacity (1 of 3)

Growing Maritime Security Capacity: Africa Partnership Station (APS)

Training Peacekeepers: Africa Contingency Operations Training and Assistance (ACOTA)

Increasing Regional Response Capacity: NATURAL FIRE

Supporting Partner Counter Terrorism Efforts: OEF-Trans Sahara

Building Regional Partnerships: FLINTLOCK

Helping Secure Territorial Waters: Africa Maritime Law Enforcement Program (AMLEP)
Building Security Capacity (2 of 3)

Developing Lasting Relationships: State Partnership Program (SPP)

Training and Professionalizing: Democratic Republic of Congo Light Infantry Battalion

Conducting Defense Sector Reform (DSR): Liberia

Building Institutions: Inspector General, Legal, Chaplaincy, and others

Promoting Interoperability: AFRICA ENDEAVOR

Engaging in Dialogue: Academic Symposia and Other Partnership Forums
Building Security Capacity (3 of 3)

Building Sustainment Capability: Adaptive Logistics Network

Rendering Former Battlefields Safe for Use: Humanitarian Mine Awareness

Improving Control of the Seas: Maritime Domain Awareness (RMAC)

Military Intelligence (MI) Education: MI Basic Officer Course-Africa

Building Strong NCO Corps: NCO Professional Development

Constructing a Network: Comms for AU Peace and Security Commission
S&T Requirements Development

S&T Requirements derived from:

- Africa Command Theater Strategic Objectives
- Integrated Priority List
- Theater and Regional Campaign Plans

S&T focus areas: (Feb 2010)

- Persistent Intelligence, Surveillance, and Reconnaissance (ISR)
- Socio-Cultural Dynamics
- Joint Personnel Recovery
- Maritime Domain Awareness
- Medical Security
S&T Focus Area: Socio-Cultural Dynamics

Requirement: Improved understanding of the African Continent

- Processing and Exploitation of Large Unstructured Data Sets
- Cross Domain Solutions
- Deployable social science research capability with reach back
- Advance Geospatial Visualization
- Automated translation of languages in use on the African continent (French, Swahili, Arabic, Aramaic, Portuguese, Somali)
Requirement: Improve JPR on the Africa Continent

- **Improved one-way messenger system** that:
  - Is Global Positioning System (GPS) enabled, satellite and Global system for Mobile Communications (GSM) based
  - Provides continuous tracking of individual transmitters
  - Has user activated Operational Functions
  - Is non-descript and attachable to military and civilian clothing
  - Has encrypted transmission
S&T Focus Area: Maritime Domain Awareness

Requirement: Improved maritime domain levels of awareness in support of Joint / Coalition / Partner efforts for counter piracy, Weapons of Mass Destruction proliferation and other missions

- Identify and distinguish between vessels of interest and legitimate traffic (automated anomaly detection)
- Establish and disseminate non-classified Common Operational Picture (COP) for coalition/partner operations
  - Cross security domain information transfer
  - Automated data fusion
  - Integration of commercial space based imagery (SAR, EO, IR) into COP
- Operate from minimally staffed Maritime Operations Center Operations Center with minimal infrastructure
S&T Focus Area: Medical Security

Requirement: Enhance partner nation’s militaries in developing medical screening and surveillance, education and training, and treatment capacity for epidemics and epidemic prone diseases

- Medical Security - Infectious disease control
- Support for disease surveillance data bases
- Improve surveillance communication using Short Message System (SMS) or voice messaging (cell phone based)
- Improved Laboratory Detection and Identification for emerging infectious diseases/agents
- Support to their Militaries across the spectrum of operations
Summary

• Africa Command has identified focus areas for S&T

• Africa Command continues to research other areas requiring S&T support

• Initiatives must be focused on meeting Africa Command Theater Strategic Objectives
Our Team

**In Europe …**

*USAFRICOM Headquarters*

Stuttgart, GE; Molesworth, UK; and Tampa, FL

Includes ~30 personnel from 10 other US Government agencies

*NAVAF: Naples, IT*

*AFAFRICA: Ramstein, GER*

*SOCAFRICA: Stuttgart, GER*

*USAARAF: Vicenza, IT*

*MARFORAF: Stuttgart, GER*

*Defense Attaches*

*CJTF-HoA: Djibouti*

*Offices of Security Cooperation*

*Liaison Officers to AU, ECOWAS, KAIPTC*

*Bi-Lateral Assistance Officers*

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