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**

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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 <u>Global</u> Security <u>Challenges</u>

- **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
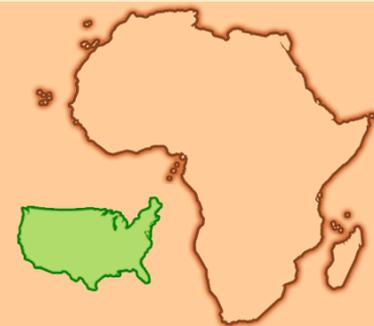
A Security-Focused Vision for Africa

Expressed By Our African Partners

How We Can Help?

Capable and accountable military forces

Build Operational Capacity

Strengthened security institutions

Build Institutional Capacity

Ability to dissuade, deter and defeat threats

Build Human Capital

Able to support international peace efforts

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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)

Conducting Defense Sector Reform (DSR): Liberia

Promoting Interoperability: AFRICA ENDEAVOR

Training and Professionalizing: Democratic Republic of Congo Light Infantry Battalion

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

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)**

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S&T Focus Area: Joint Personnel Recovery (JPR)

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**

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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**

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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**

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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**

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Our Team

In Europe …

USAFRICOM Headquarters

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

Includes ~30 personnel from 10 other US Government agencies
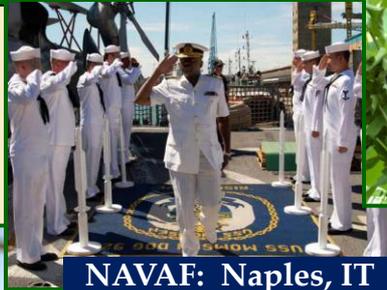
NAVAF: Naples, IT

USARAF: Vicenza, IT

CJTF-HoA: Djibouti

MARFORAF: Stuttgart, GER

Defense Attaches

AFAFRICA: Ramstein, GER

Offices of Security Cooperation

SOCAFRICA: Stuttgart, GER

Bi-Lateral Assistance Officers
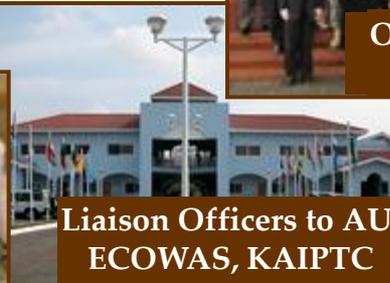
Liaison Officers to AU, ECOWAS, KAIPTC

… and on the Continent

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For More, Visit http://www.africom.mil
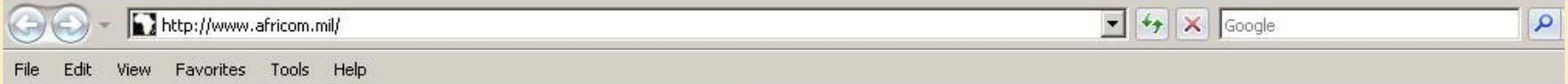
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