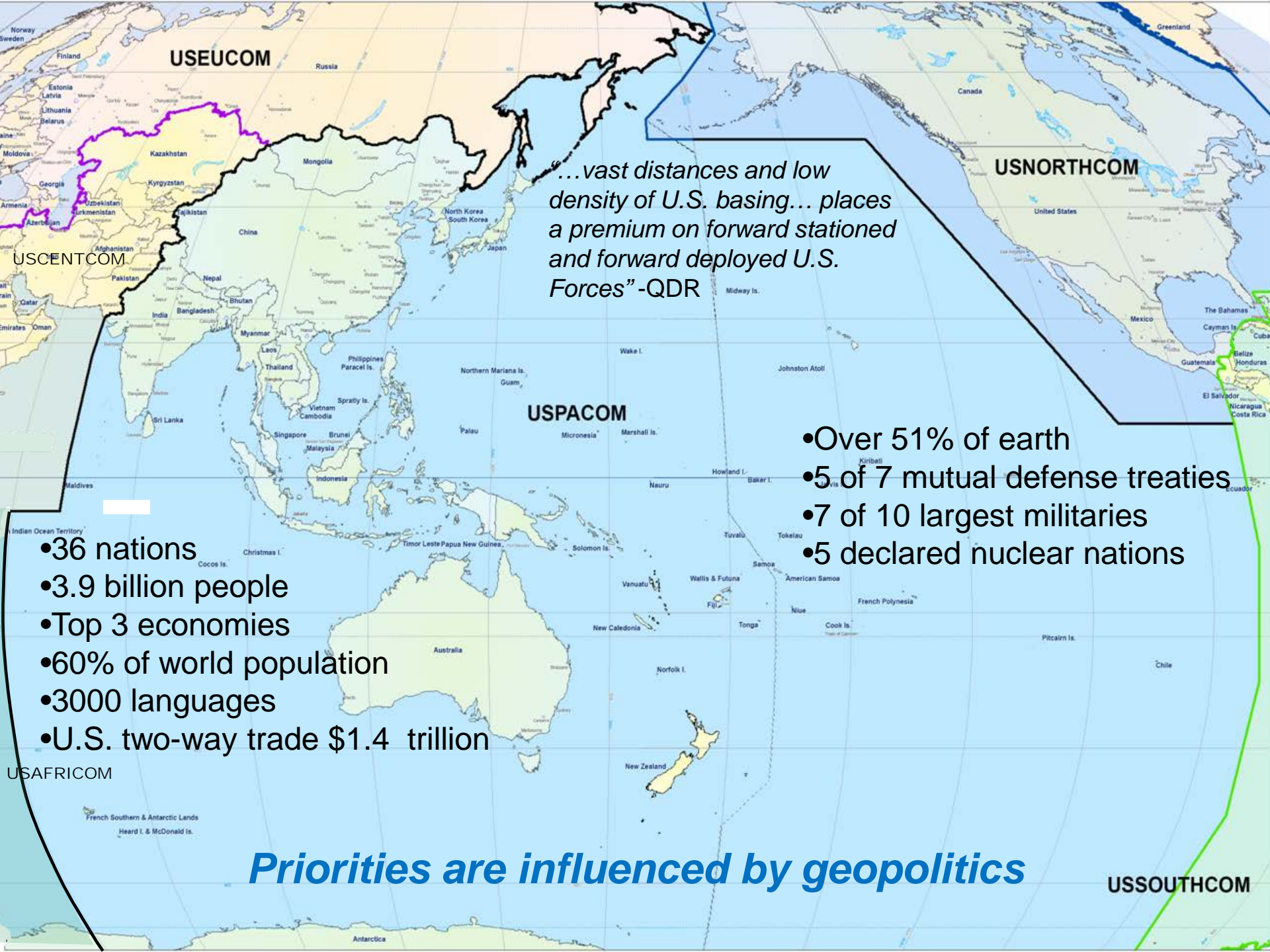# U.S. Pacific Command
NDIA Science & Engineering Technology Conference

Gregory Vandiver

Science and Technology Office

March 2015

This Presentation is UNCLASSIFIED

USEUCOM

USCENTCOM

USNORTHCOM

"…vast distances and low density of U.S. basing… places a premium on forward stationed and forward deployed U.S. Forces" -QDR

USPACOM

- Over 51% of earth
- 5 of 7 mutual defense treaties
- 7 of 10 largest militaries
- 5 declared nuclear nations

- 36 nations
- 3.9 billion people
- Top 3 economies
- 60% of world population
- 3000 languages
- U.S. two-way trade $1.4 trillion

USAFRICOM

Priorities are influenced by geopolitics

USSOUTHCOM

USPACOM Mission

In concert with other U.S. government agencies, USPACOM protects and defends the territory of the United States, its people, and its interests. **With allies and partners**, USPACOM is committed to enhancing stability in the Asia-Pacific region by promoting security cooperation, encouraging peaceful development, responding to contingencies, deterring aggression, and, when necessary, fighting to win. This approach is based on **partnership**, presence, and military readiness.

Our S&T priorities are based on our mission

3

USPACOM S&T Office

Strategic Mission

o Discover, develop and demonstrate solutions to war fighter challenges

o Avoid technical surprise

o Build international defense partnerships

S&T Regional Partner Cooperation Strategy
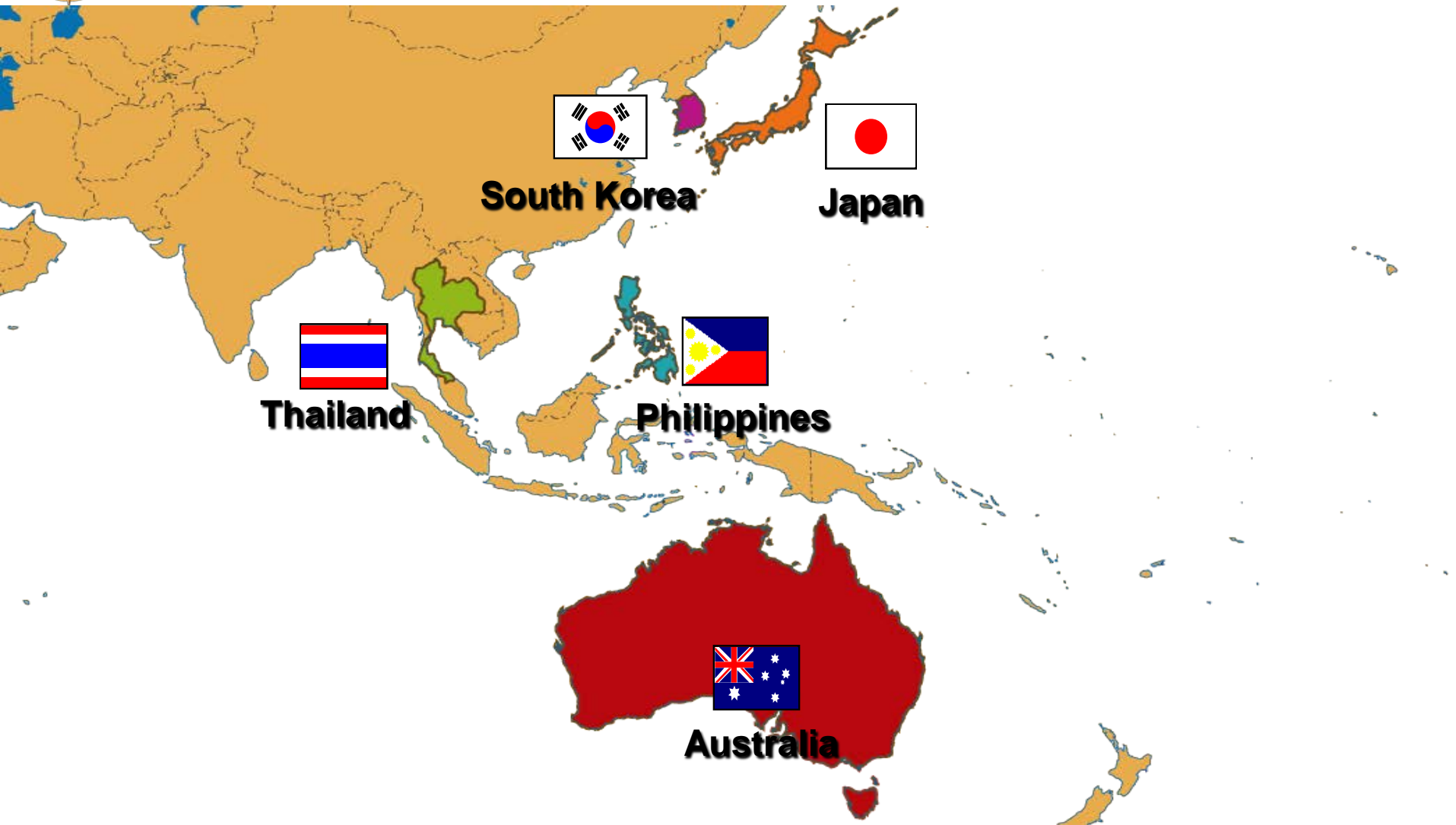
o Engage countries in cooperative tech development to address mutual concerns

o Build long-term relationships

o Enhance partner nation capability and interoperability

o Achieve capability advances quicker and at less cost

Priorities guided by key PACOM S&T Mission/Strategy

Mutual Defense Treaties

Priorities influenced by mutual defense treaties and partnerships

Terrorism / Extremism

Information Technology Crime

Illegal Narcotics

Illegal Migration

Piracy

Weapons Proliferation

Other Transnational Crime

USEUCOM

USNORTHCOM

TCOM

USSOUTHCOM

6

Priorities targeted for countering transnational threats

Humanitarian

- ➢ Humanitarian Assistance/Disaster Relief
- ➢ --Power, Energy, Shelter
- ➢ *Enhance interoperability among allies and partners*
- ➢ *Building Partner Capacity*

- ➢ POW/MIAs

Priorities targeted for Humanitarian needs

Improved Operational Capabilities

- Maritime Security/ Maritime Domain Awareness
- Integrated Air and Missile Defense
- Space Assurance
- ISR/Communications in a contested environment
- Cyber Defense / Network Security
- Data Fusion/ Sense Making capabilities
- Electronic Warfare
- Counter unmanned threats
- Assured Navigation
- Small Sat/responsive launch capabilities
- *Enhance interoperability among allies/partners*
- *Building Partner Capacity*

Priorities targeted for improved operational capability

Summary of S&T Priorities

Improved Operational Capability

- Maritime Security / Maritime Domain Awareness
- Integrated Air and Missile Defense
- Space Assurance
- ISR/Communications in contested environments
- Cyber Defense / Network Security
- Data Fusion/ Sense Making capabilities
- Electronic Warfare
- Counter unmanned threats
- Assured Navigation
- Small Sat/responsive launch capabilities
- *Enhance interoperability with allies/partners*
- *Building Partner Capacity*

Humanitarian

- Humanitarian Assistance/Disaster Relief
- --Power, Energy, Shelter
- POW/MIAs
- *Enhance interoperability with allies/partners*
- *Building Partner Capacity*

Counter Transnational Threat

- Counter terrorism/extremism
- Counter weapons proliferation
- Counter transnational crime
- Maritime Security/Maritime Domain Awareness
- *Enhance interoperability with allies/partners*
- *Building Partner Capacity*

Backup

➢The Asia-Pacific region is complex

➢We partner with nations in the region to achieve common goals of security and shared prosperity

➢Our relationships are lasting and built on trust

USPACOM supports U.S. National Security Strategy by promoting peace and stability in the Asia-Pacific region

Combatant Command Structure

```
                    President of the
                    United States
                         |
                    Secretary of          Chairman, Joint
                    Defense               Chiefs of Staff
```

Geographic Commands

| Central Command | European Command | **Pacific Command** | Africa Command | Northern Command | Southern Command |

Functional Commands

| Special Operations Command | Transportation Command | Strategic Command |
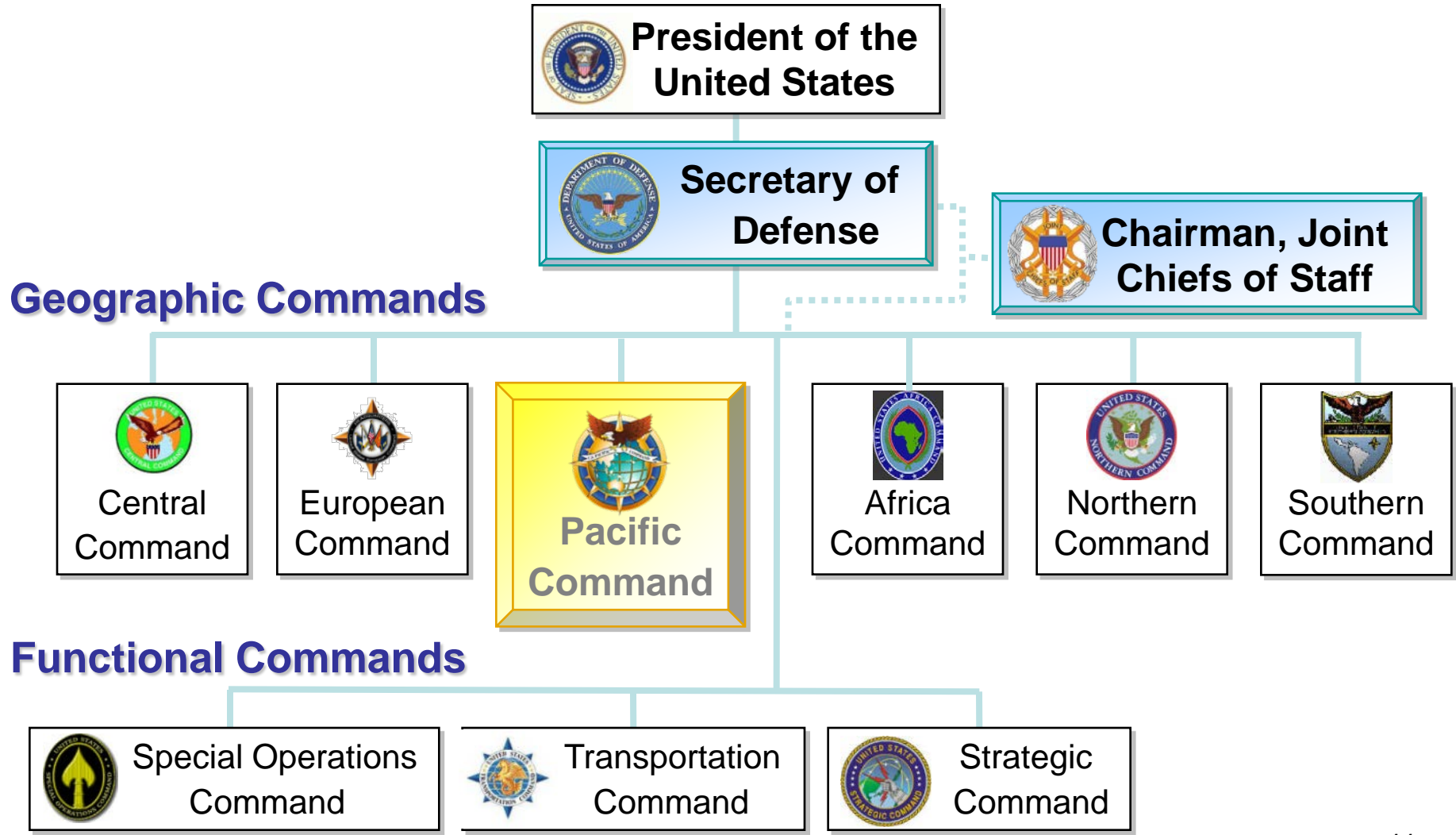
U.S. Pacific Command Structure

U.S. Pacific Command
★ ★ ★ ★

- **U.S. Army Pacific**
  ★ ★ ★ ★
- **Pacific Air Forces**
  ★ ★ ★ ★
- **Pacific Fleet**
  ★ ★ ★ ★
- **Marine Corps Forces Pacific**
  ★ ★ ★

- **U.S. Forces Korea**
  ★ ★ ★ ★
- **U.S. Forces Japan**
  ★ ★ ★
- **Alaskan Command**
  ★ ★ ★
- **Special Operations Command Pacific**
  ★ ★

- **Joint Interagency Task Force - West**
  ★
- **Joint Intelligence Operations Center**
- **Standing Joint Force HQ - Pacific**
- **Joint POW/MIA Accounting Command**
  ★ ★

- **Asia Pacific Center for Security Studies**
- **Center for Excellence for Disaster Management and Humanitarian Assistance**