Military Capabilities that ensure dominance:

- Interoperability with allies/partners
- Building partner capacity
- Maritime Security/Domain Awareness
- Integrated Air and Missile Defense
- ISR/Communications in Contested Environment
- Small Satellite Responsive Launch Capabilities
- Data Fusion/ Sense Making Capabilities
- Cyber Defense / Network Security
- Electronic Warfare
- Counter Unmanned Threats
- Assured Navigation
- Space Assurance
- Hypersonic Applications
- Expeditionary Logistics
- ... and more
Defending America’s Interests in the Indo-Asia-Pacific

(U) USPACOM Mutual Defense Treaties

Lead Rebalance
Operationalize Theater C2
Organizational Coherence/Climate

Defend the Homeland
Fight Tonight

5 of 7 U.S. mutual defense treaties in USPACOM AOR

S&T solutions are needed to support US treaty responsibilities

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(U) Counter Transnational Threats

S&T solutions are needed for transnational threats
Our Mission …protects and defends… the territory of the United States, its people, and its interests. With allies and partners, … enhance stability in the Indo-Asia-Pacific region…. This approach is based on partnership, presence, and military readiness…We will collaborate with Services/other CCMDs to defend US interests

S&T is driven by USPACOM Mission
– Protect US; stable Indo-Asia-Pacific

S&T approach is derived from Mission
– Include partners; presence; and collaboration
Defending America's Interests in the Indo-Asia-Pacific

(U) USPACOM Tyranny of Distance

- Over 51% of earth
- S&T solutions must cope with USPACOM's tyranny of distance

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S&T solutions must cope with huge diversity in nations, cultures, languages, and affluence:

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

- 7 of 10 largest militaries
- 5 declared nuclear nations

S&T solutions must be responsive to the largest and still growing militarization
(U) Interoperability With Partners

RIMPAC 2014
- 22 Nations
- 49 Surface ships
- 6 Submarines
- 200 Aircraft

S&T solutions must be viewed in the context of a coalition operation
(U) Interoperability With Partners
(U) Border Disputes

Disputed claims in the South China Sea

Source: D. Rosenberg/Middlebury College/Harvard Asia Quarterly/Phil gov't
Questions?