

U.S. Pacific Command



Science and Technology Office

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The Future of Asia- Paicifc



"Let there be no doubt: in the Asia-Pacific in the 21st century, the United States of America is all in,"

"The United States is going to be a huge participant in both economic and security issues in the Asia-Pacific region"

- U.S. President Obama



Mission

U.S. Pacific Command, together with other U.S. Government agencies, protects and defends the United States, its territories, Allies, and interests; alongside Allies and partners, promotes regional security and deters aggression; and, if deterrence fails, is prepared to respond to the full spectrum of military contingencies to restore Asia-Pacific stability and security.





USPACOM S&T



Strategy

- **End State:**
 - Strengthen and advance the United States, its territories and interests are alliances and Partnerships protected; and the Asia-Pacific region is stable and secure.
 - Ensure joint capability and readiness to Respond
- Enable the Warfighter
- Avoid technical Surprise



Overview

1. *Pacific Command*
2. *Ally and Partner Relationships*
3. *Other Focus Nations*
4. *Transnational Threats*
5. *Operational Capability Needs*
6. *The Affordability Issues*
7. *PACOM wants to partner*





The US Pacific Command



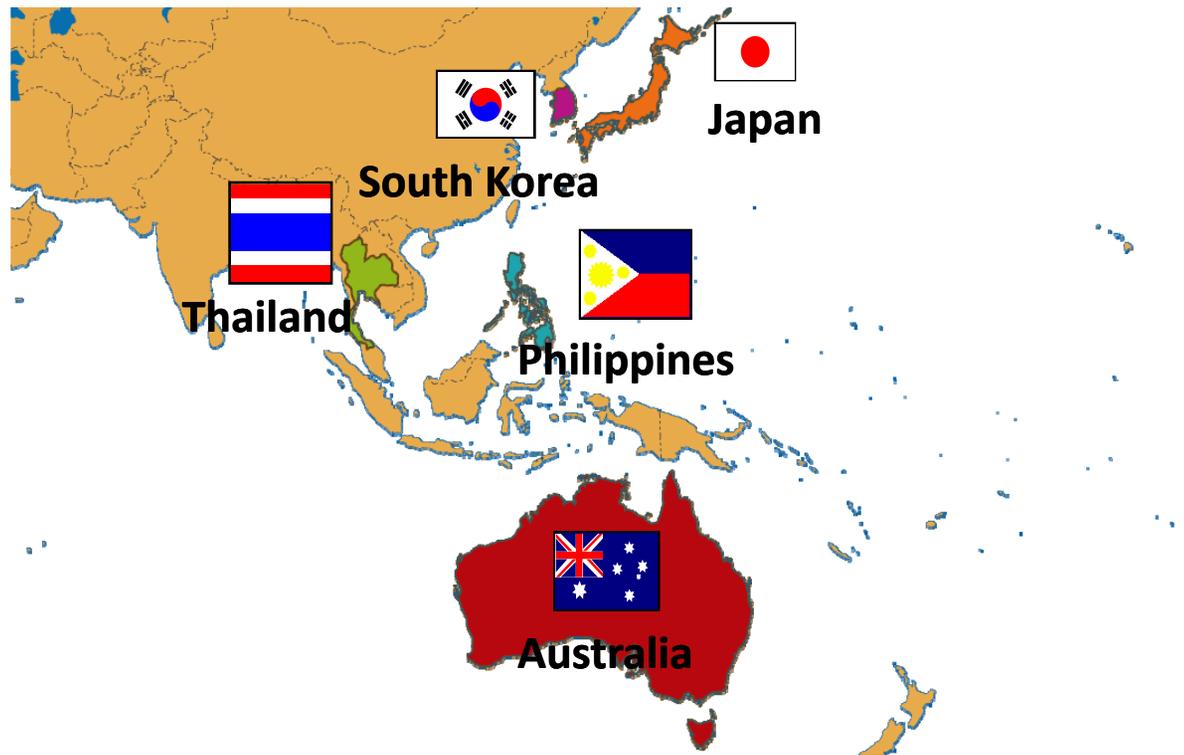
- 36 nations encompassing half the Earth's surface
- Home to more than 50% of the world's population
- World's three largest economies
- Source of about one-third of U.S. trade



Ally and Partner Relationship

Focus Area

- Strengthen existing Alliances and leverage them to shape the environment for building multilateral relationships and a more effective presence.
- Enhance Alliances and partnerships to build capacity over the full spectrum of military activities.
- Promote military professionalism and enhance interoperability among Allies and partners to build trust and increase multilateral effectiveness.





Ally and Partner Relationship

Road Map

- Information or data exchange
- Cooperative Projects
- Regional partner observers
- Cooperative technology partnerships
- Multilateral collaborations





Other Focus Nations

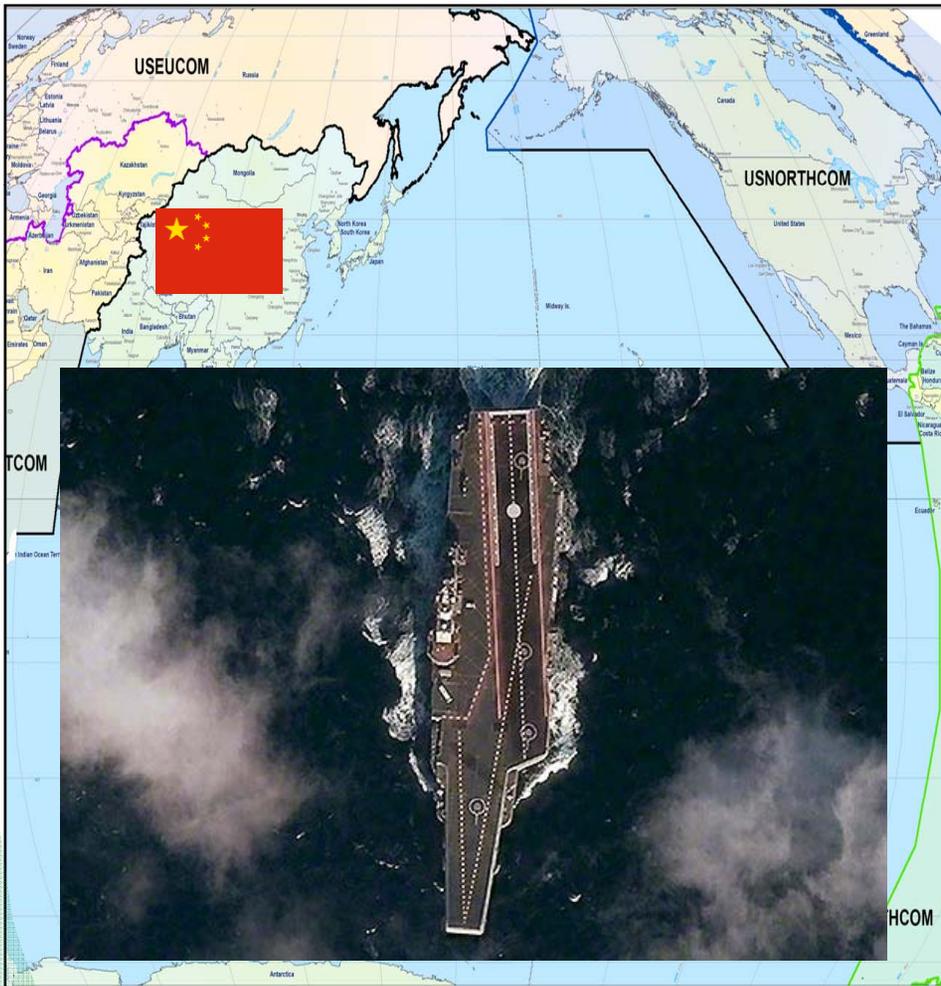
China

- Modernizing military - Deployed first Aircraft carrier
- Enhancing nuclear force
- Upgrading SA-20 and Fighter jets
- Expansion of interests
- Growing Economic strength and ties
- Regional and global engagement

Common interests include:

- Counter-piracy, counterterrorism, counter proliferation of WMD.
- Commerce, Economies, lives

Technology that addresses the evolving issues.





Other Focus Nations

North Korea

- Declining conventional forces
- Developing longer-range missiles, nuclear capability & proliferation
- Internal stability, succession



Technology that addresses the evolving issues.





Other Focus Nations

India

- Cross-border terrorism
- Essential to maritime security
- Increased defense acquisition

Common Interests

- Security Cooperation – Arms Sales and potential Co-development and production opportunities
- Maritime security, counterterrorism, defense trade and security of global commons



Technology that addresses the evolving issues.



Transnational Threats

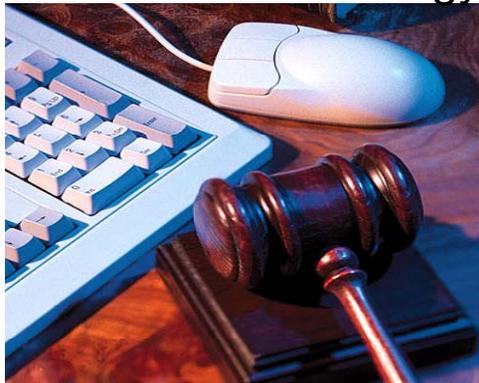
Terrorism/Extremism



Piracy



Information and Technology Crime



Illegal Migration



How Technology will be employed?



Transnational Threats

Illegal Narcotics



JIATF works jointly with S&T to counter drug trafficking.

Weapons Proliferation



How Technology will be employed?



PACOM Operational Needs

- **US PACOM seeks a forward deployed, layered, and integrated air missile defense system**
- **Working to establish a solution to detect cyberspace criminal actions.**
- **QDR- Enhanced long range strikes, stand-off weapons, precision attacks**





Affordability Issues

“Reductions in US defense spending will not - I repeat, will not - come at the expense of the Asia-Pacific.”

– US President Obama



Life Cycle Cost

1. Initial cost
2. Maintenance cost
3. System integration cost
4. Training cost
5. Partner integration cost
6. Personnel cost
7. Facility cost



Partnership



“This has been our
 Australian Defence Force
 the Obama Administration, combined
 training with the US Marines
 the personnel will mean
 that we will be able to better
 respond together, along with
 “The primary tools of our
 engagement—regional
 alliances, our
 partnerships, and
 assistance and dealing with
 - Secretary of State Hillary
 Clinton
 Prime Minister Gillard



Conclusion