Opportunities and Challenges in the Pacific
Mission

Present Air, Space and Cyber Power across the full spectrum of operations in the Pacific

Conduct:
- Operational Planning
- Command and Control (C2)
- Assessment
- Regional Engagement (39 Nations)
- Joint Forces Air Component Commander (JFACC)
  - Create effects from strategy to task, to meet USPACOM regional objectives
Mission Sets

- Standing JFACC
- C2 of ISR
- HA/DR
- CJTF - SWA
- Security Cooperation
- Air Mobility
- AADC
- Air & Missile Defense
- Search/Rescue
- Space Coord
- Global Strike
- Jungle Air Force
Organization

Air Forces Pacific

Commander

Vice Commander

Chief of Staff

AADC

JFACC

DJFACC

94AAMDC

CJTF-SFA

DCJTF-SFA

13 AF/JPN

13 AF/JPN

15 AW

36 WG

AFFOR

SPTG

AOC

13 AF/JPN

692 IG

1 ASOG

5th BCD

Jungle Air Force

HABITUAL PARTNERSHIPS

3rd FLEET
7th FLEET
157 AOG
10th AF
HIANG

Art of Command & Science of Control
Organization

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Art of Command & Science of Control

Jungle Air Force
JFACC: Fwd Deploy when required
Scalable manning / augmentation
Command and Control

- 613th Joint Air and Space Operations Center (JAOC)

- Joint Networks
  - Robust and Flexible
  - Operates within Defense Information Systems Agency Global Information Grid
  - NIPR, SIPR, JWICS
    - TBMCS, GCCS, JADOCS (40 warfighting applications)

- JAOC SIPRNET is the core warfighting enclave Theater Air and Space C2

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Mission Enhancement - Training

- Table Top Exercise Training
  - Low-tech, relatively inexpensive
  - Scenario development, participant interaction, issue identification
  - Provides valuable training
  - Incorporated into larger exercises
  - Successfully utilized in Ex PACIFIC LIFELINE 08
Mission Enhancement - Training

- Live / Virtual / Constructive Training
  - Saves fuel, aircraft hours, and reduces ops tempo while still maximizing training opportunities
  - Successfully utilized in NORTHERN EDGE 08
  - Must invest in:
    - High fidelity simulation
    - Multiple Echelon computer models and game simulations
    - Distributive mission operations to leverage this capability
Mission Enhancement
Coalition Interoperability

- Combined Communications Interoperability Program (CCIP)
  - Several nations fielding compatible capabilities
    - Japan, South Korea, Australia, New Zealand, Philippines, Singapore, Thailand, Malaysia, and Taiwan.

- Benefits:
  - Leveraging host nation strengths
  - Promoting openness and cooperation

- Deterrents:
  - Technology expenses
  - Laws and regulations
  - Preference for bilateral vs multilateral relationships
Focus

- Reliability and Redundancy of Networks
  - Must have operable COOP plan in place
- Homeland Defense: Zero Defect – only 1 shot
  - Operation Noble Eagle – Homeland Defense
  - Integrated Air and Missile Defense
  - Command and Control nets / Emergency Action Cell
- Munitions control and movement
## Threats and Consequences

### Fighter Proliferation
- 4th gen fighters being sold around world
  - Russia...Su-30/ & MiG-35/
  - China...F-10 & JF-17
- Electronically scanned intercept radars
- Long-range active radar missiles
- Highly sophisticated advanced jammers
  - Digital Radio Frequency Memory threat
- US legacy fighters at risk—second best?

### Advanced SAM Proliferation
- Legacy systems entering larger threat rings than ever before
- Longer-range double digit SAMS
  - SA-10 (49NM), SA-20 (108NM), HQ-9 (81NM)
  - Near future...SA-21 (advertised as 200+ NM)
- Complicating potential future air ops
  - Taiwan Strait and Middle East
- Naval SAMS
  - Longer ranges pushing out air defense umbrella
  - SA-N-20 / HQ-9
- Detection capabilities also increasing
  - Anti-stealth and anti-cruise missile

### Terrorism – The Long War
- Al Qa’ida (AQ) remains greatest terrorist threat to US interests worldwide—nature of threat changing
- No longer monolithic threat; leaders providing less direct operational influence, emphasis on propaganda
- Smaller, looser networks proliferating—less, understood, predictable
- Signals Intel / ISR

### Training Gaps
- US Advantage historically both technological & superior training
- Avg Indian, Chinese pilot training now comparable
- Total fighter hours in USAF fighter units continues to drop from historical averages
- Range upgrades to meet realistic 5th Gen training

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Conclusion

Past
- Cold War Mentality
- Strategic Reserve
- Hand Me Down Equipment

Present And Future
- Meeting Traditional & Asymmetric Threats
- “State Of The Art” Equipment
- High Operations and Deployment Tempo
- Joint and Coalition Interoperability

New Challenges and Opportunities

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