

Thirteenth Air Force

Integrity - Service - Excellence

Opportunities and Challenges in the Pacific



**Lt Gen Chip Utterback
Commander**



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

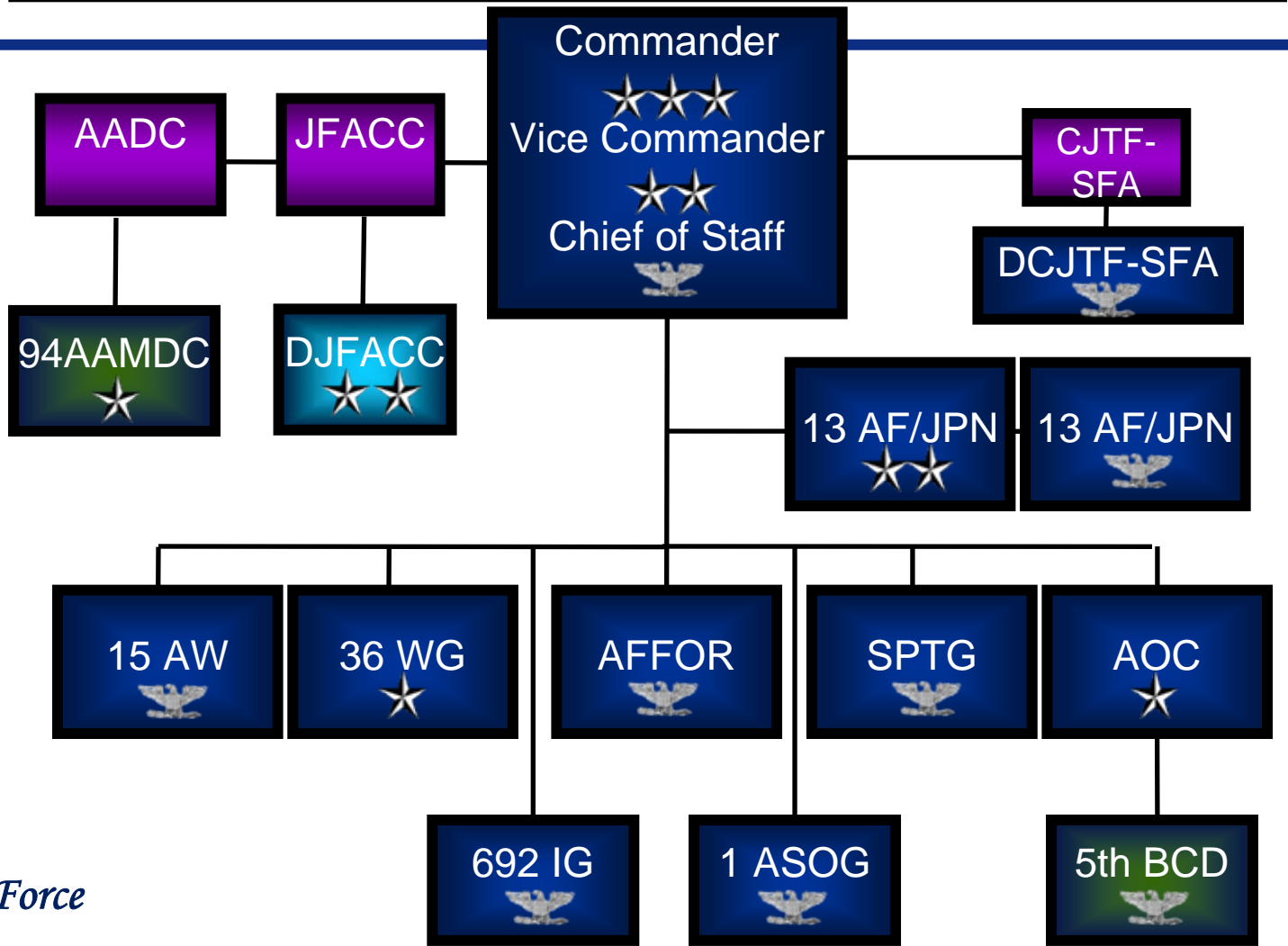
Jungle Air Force





Organization

Air Forces Pacific



HABITUAL PARTNERSHIPS

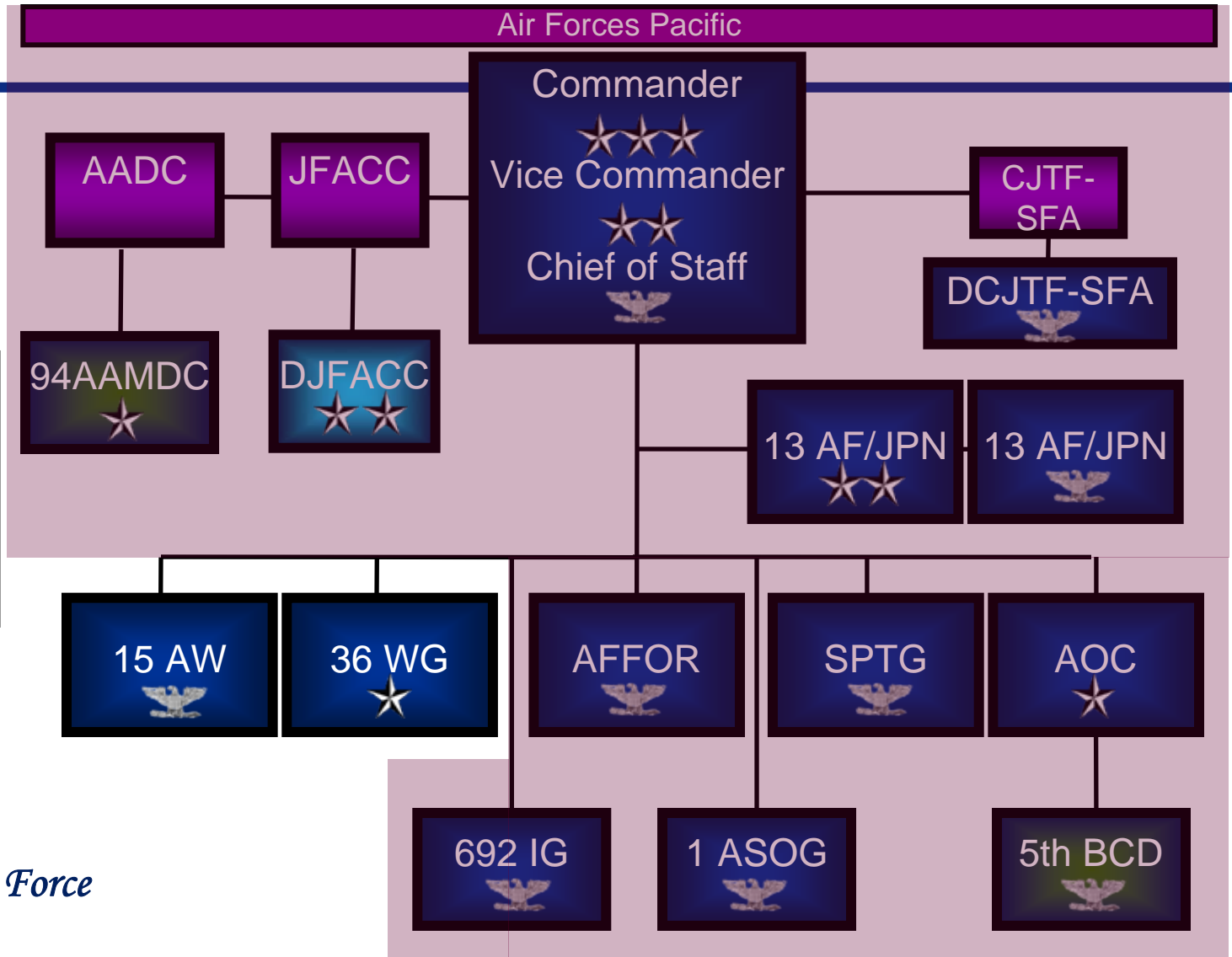
- 3rd FLEET
- 7th FLEET
- 157 AOG
- 10th AF
- HIANG

Jungle Air Force

Art of Command & Science of Control



Organization



HABITUAL PARTNERSHIPS

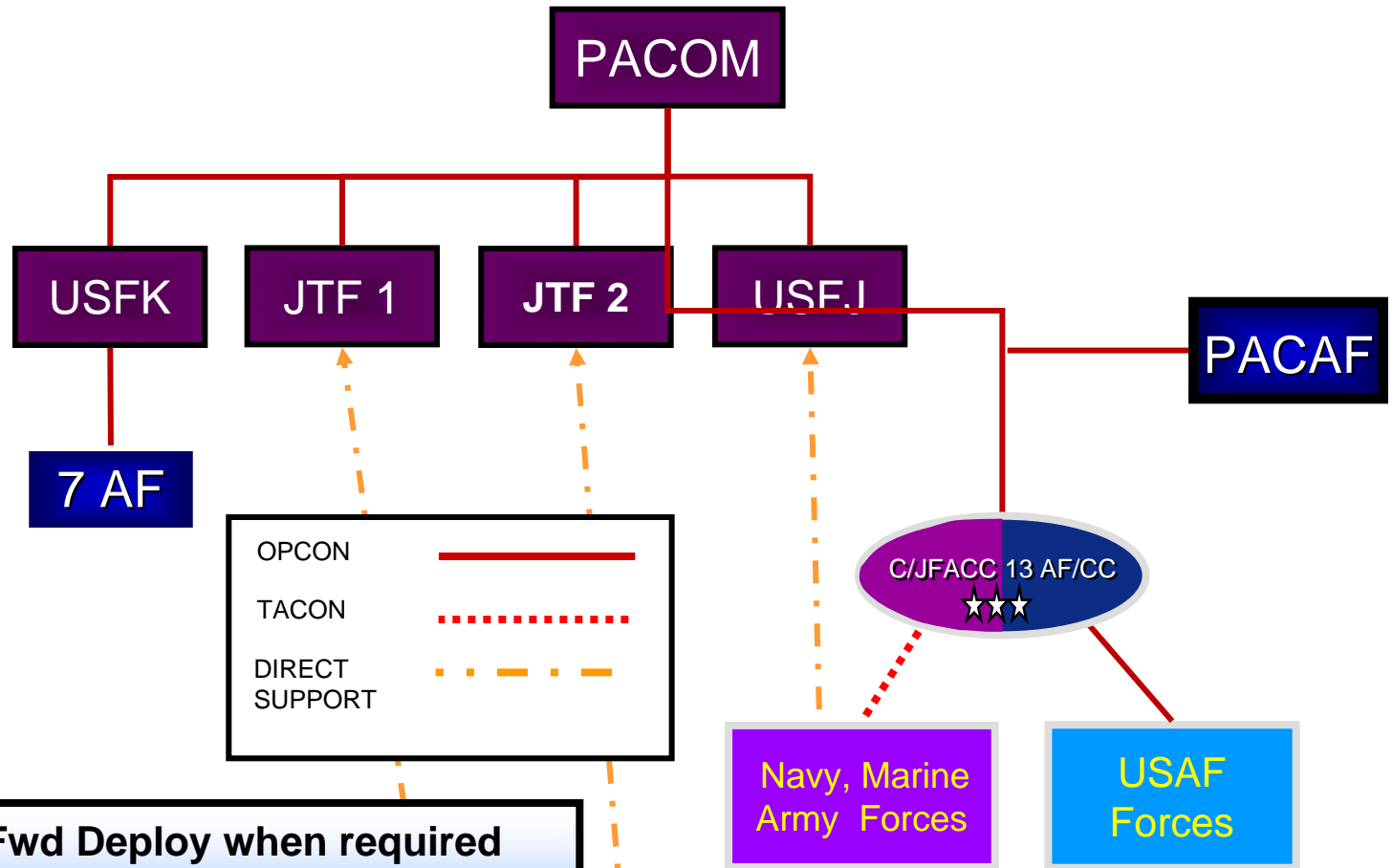
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Art of Command & Science of Control



Theater JFACC



- JFACC: Fwd Deploy when required
- Scalable manning / augmentation

Projecting Peace, Power and Presence



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**



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



- **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?



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



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



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



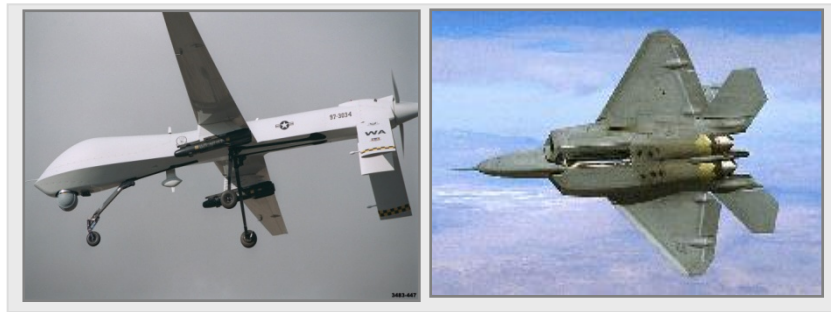


Conclusion



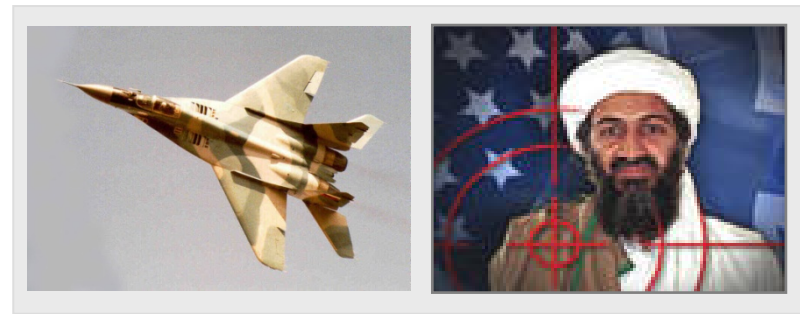
Past

- 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

Projecting Peace, Power and Presence

