



Military Aviation In Mississippi

Major General Barry A. Blanchard
Assistant Adjutant General-Air
Commander, Mississippi Air National Guard





Maj. Gen. Barry A. Blanchard

- 1992 Bachelor of Science in Operations Research, United States Air Force Academy, Colorado Springs, Colo.
- Undergraduate Pilot Training at Columbus Air Force Base, August 1993.
- 1994 Master of Science Industrial Engineering, Texas A&M University, College Station
- Eleven years active duty as a C-17A Instructor/Evaluator, Air Mobility Command and Air Education and Training Command
- 19 years in the MSANG and has held command at all levels of the 172 AW
 - Command/Evaluator pilot with more than 4400 hours in the C-17A
 - Operations SOUTHERN WATCH, ALLIED FORCE, ENDURING FREEDOM, IRAQI FREEDOM, NEW DAWN,
 - Director of Mobility Forces supporting domestic hurricane relief
 - Dual Status Commander JTF-MS supporting COVID operations in Mississippi.
 - Chief of Staff, Mississippi Air National Guard, Jackson, Miss.
- LCA/Captain-FedEx





Mississippi Army National Guard Aviation



Southaven/Grenada Airport MOTS (Mobile Tower System)

- Mobile Airfield operations
- *SSTK, Mob to Africa FY 24*



Hawkins

UH-60L Blackhawk

- Mobility of troops/cargo/sling
- *Mobilized to Sinai Peninsula currently*

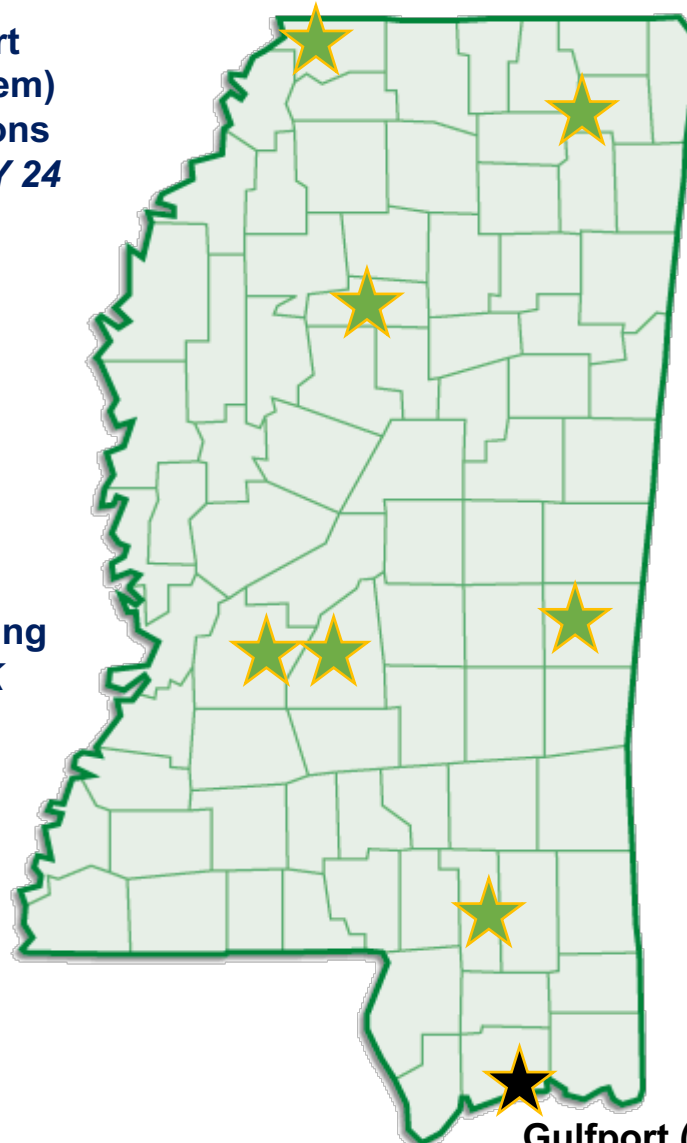
HH-60M Blackhawk

- MEDEVAC/Firefighting
- *Camp Shelby, SSTK*



Jackson-Evers

- C-12Y
- Personnel movement
- *TAG, ATAG, Key Leader movement*



UNCLASSIFIED

Gulfport (MS-AVCRAD)

Tupelo

AH-64D Apache

- Attack aircraft
- *SSTK 2023*

UH-72A MED Lakota

- MEDEVAC
- *Used at Camp Shelby*

UH-72A MEP Lakota

- SAR/Border Patrol/Raid
- *Used in SW Border patrol, MS Bureau of Narcotics*

Meridian

CH-47F Chinook

- Cargo/Paradrop, Sling Loads/Water bucket
- *California fires, FL Hurricanes*

Hattiesburg (Camp Shelby)

RQ-7B Shadow

- ISR/ISA
- *SSTK*





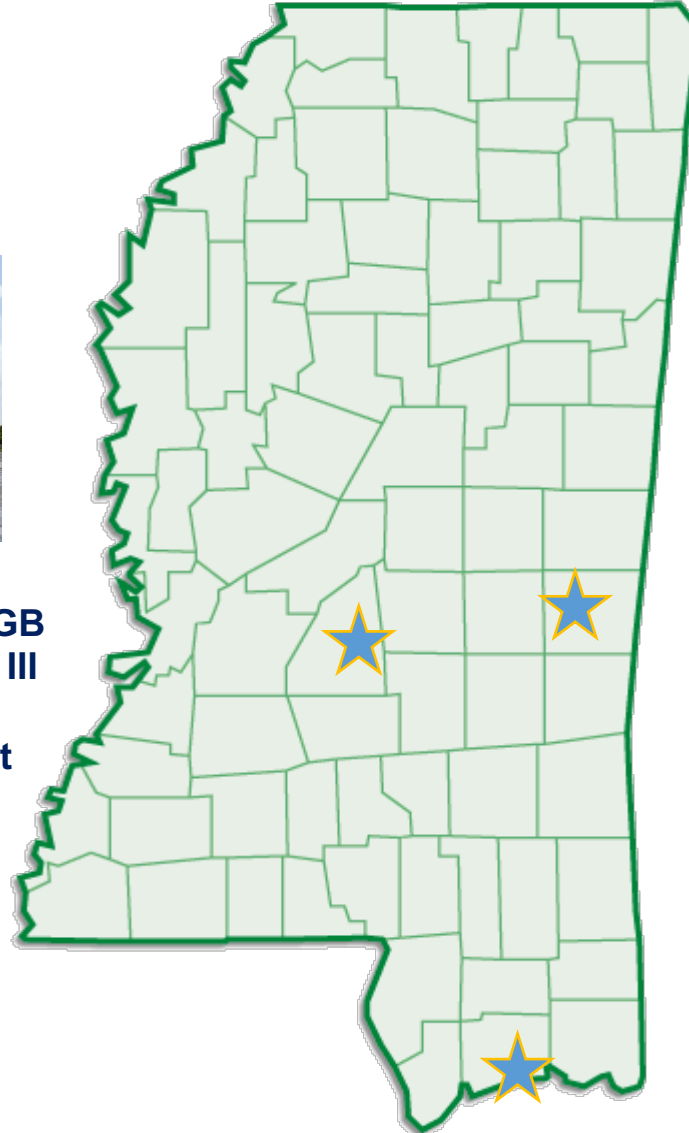
UNCLASSIFIED

Mississippi Air National Guard Aviation



Flowood- Thompson Field ANGB 172nd AW-C-17A Globemaster III

- Cargo/Passenger Transport/Patient Transport
- Air Defender, SSTK, Iron Magnolia, OIF, OEF, Afghanistan Evacuation



UNCLASSIFIED



Meridian-Key Field ANGB

- 186th ARW-KC-135R Stratotanker
- Air-to-Air Refueling/Cargo
- Air Defender, Copper Arrow, Centennial Contact, OEF, OIF

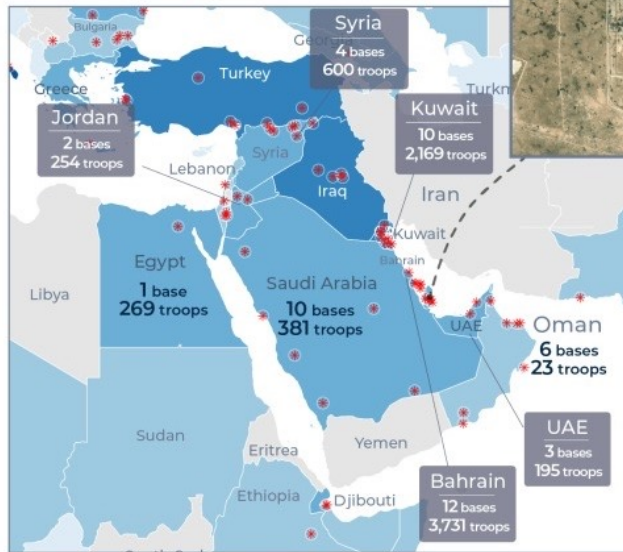


Gulfport-Gulfport Combat Readiness Training Center



Fighting Wars Past vs Present

Middle East



Al Udeid Air Base, Qatar
Largest US military base in Middle East

Built: 1996
Area: 24 hectares (60 acres)



Source: Allan, Michael A., Michael E. Flynn, and Carla Martinez Machain. 2021. "Global U.S. military deployment data: 1950-2020." David Vine, "Lists of U.S. Military Bases Abroad, 1776-2021," American University Digital Research Archive, 2021

@AJLabs ALJAZEERA

AFGHANISTAN/IRAQ WAR

- Maintain Air Superiority
- Worked from geographically close bases
 - ~700 miles from Al Udeid to Baghdad

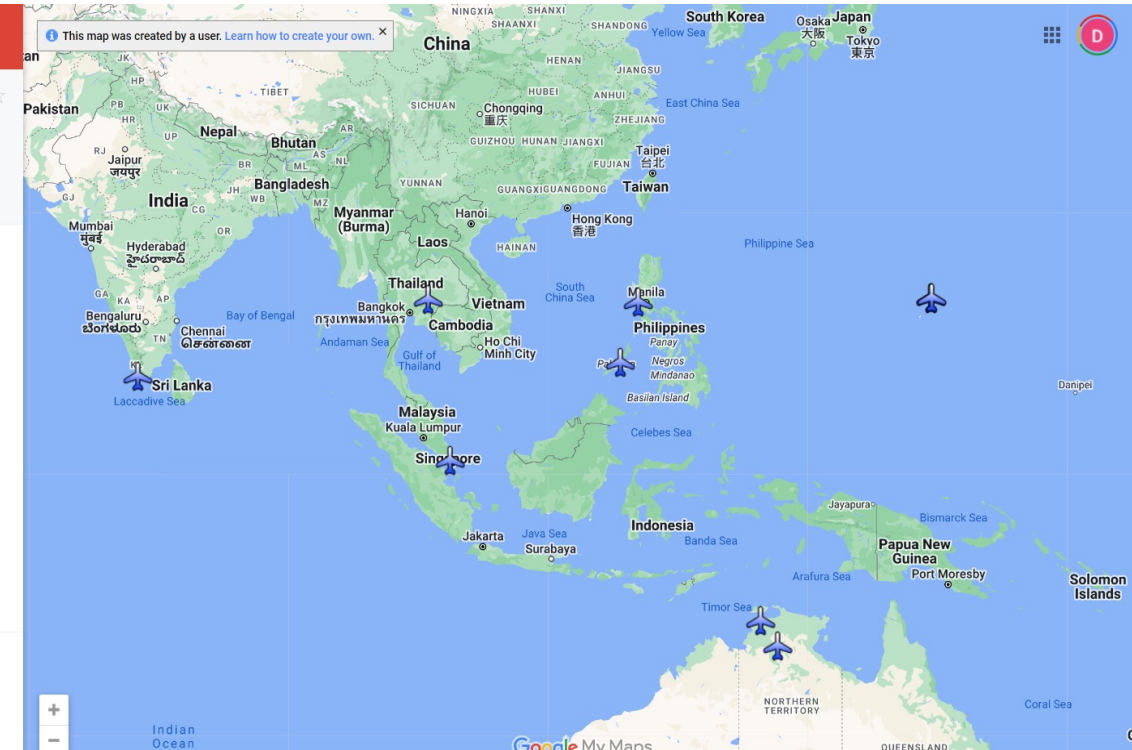
CHINA

- Peer to Near Peer Threat
- Travel long distances
 - 2,658 miles from Australia to Hong Kong
 - 5,545 miles from Honolulu to Hong Kong
- ACE Concept

Possible bases of the U.S!

These are the bases that U.S. defense officials have expressed interest in using on a part time basis in the years to come.
41,628 views
Published on June 16, 2015

- Untitled layer
- ✈ North Field at Tinian
 - ✈ Tinian International Airport
 - ✈ Saipan International Airport
 - ✈ Korat Royal Thai Air Force Base, Thailand
 - ✈ Changi East air base, Singapore
 - ✈ RAAF Darwin
 - ✈ RAAF Tindal
 - ✈ Trivandrum air base, India
 - ✈ Puerto Princesa airport, Philippines
 - ✈ Cubi Point airport





The Chinese Threat



1927-1949
CHINA STANDS UP

- Maintain power as a party
- Regain lost territories
- Dominate their sphere of influence
- Achieve global power and primacy

1978-1993
CHINA GETS RICH

- A US led world in which China is second tier power is not the historical norm, but a profoundly galling exception – a source of deep-seated cultural embarrassment .

1993-2003
CHINA GOES GLOBAL

2001-2013
CHINA OPENS GLOBAL MARKET

2013-PRESENT
CHINA GETS POWERFUL

- Limited time window for China (population, economy)
- Taiwan, South China Sea, Indian border: territorial reclamation
- Increased military global reach
- Global coercive economic policies

MILITARY EXPANSION (1999)

SPACE



AIR



MARITIME



MISSILES

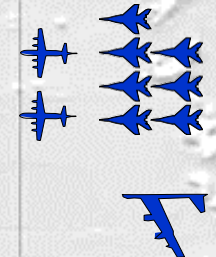


- = 10 Satellites
- = 25 Modern Fighters
- = 25 Manned Bombers
- = 5 Maritime Patrol Aircraft
- = 2 Modern Submarines
- = 1 Aircraft Carrier
- = 2 Amphibious Assault Ships
- = 2 Modern Multi-Warfare Combatants
- = 25 Ballistic Missiles
- = 1 THAAD Battery

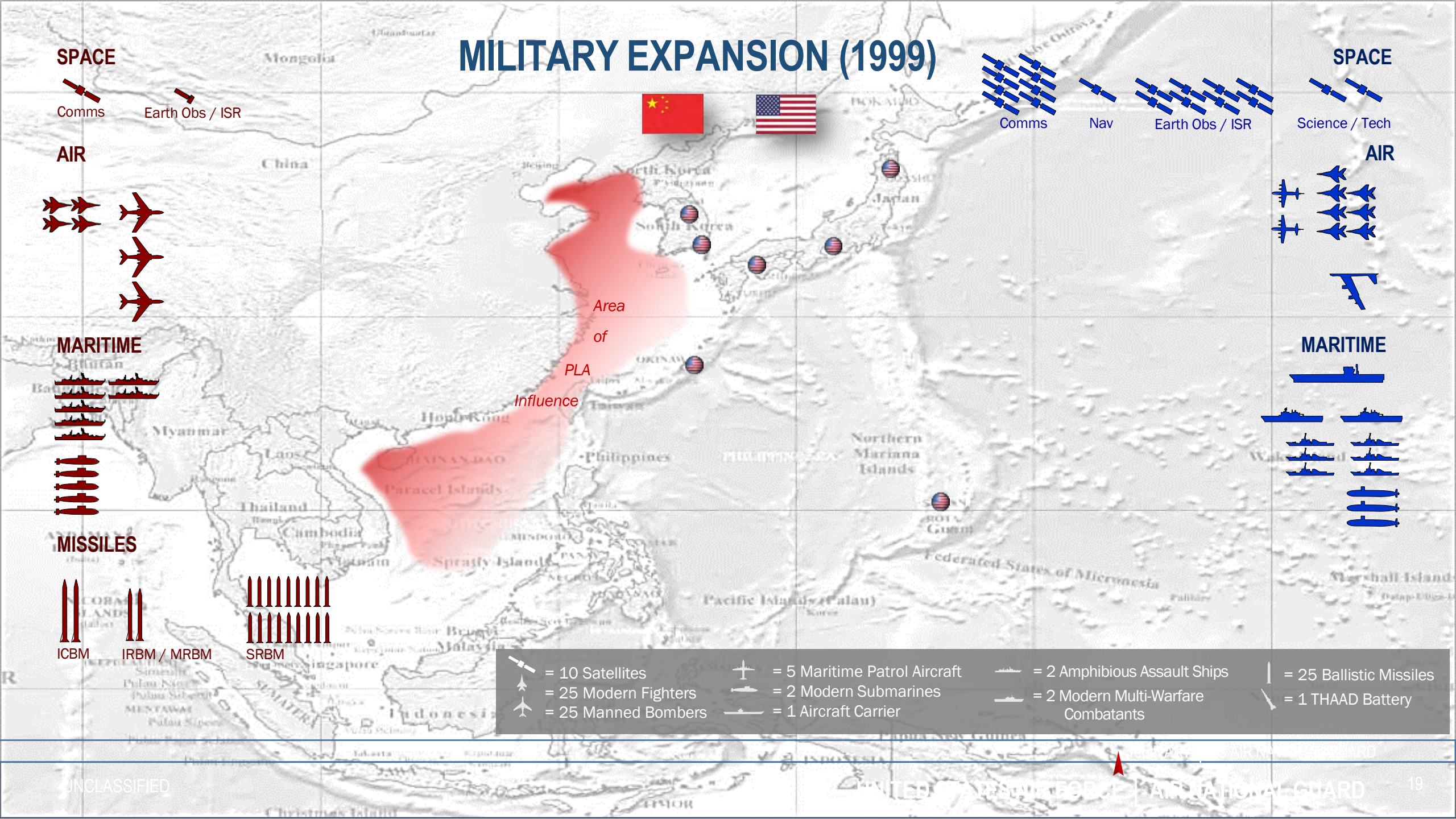
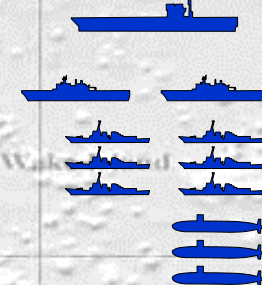
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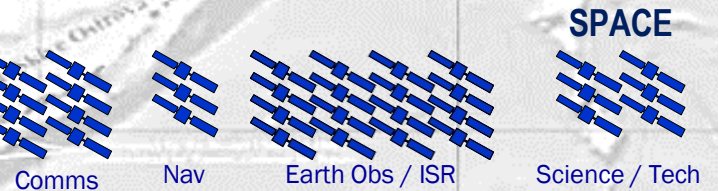
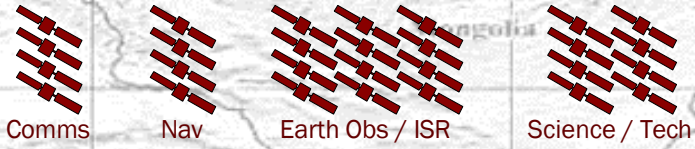


MARITIME

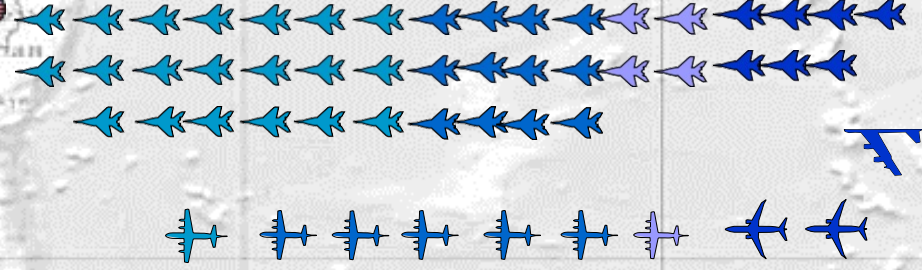
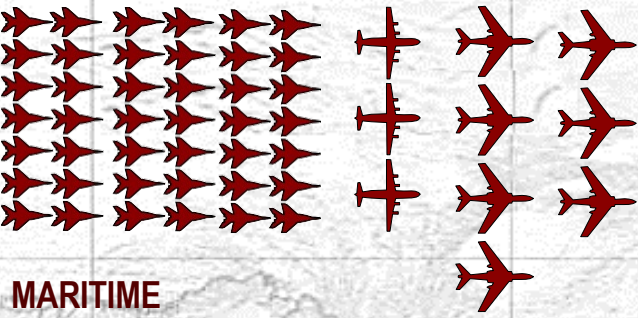


CURRENT (2022)

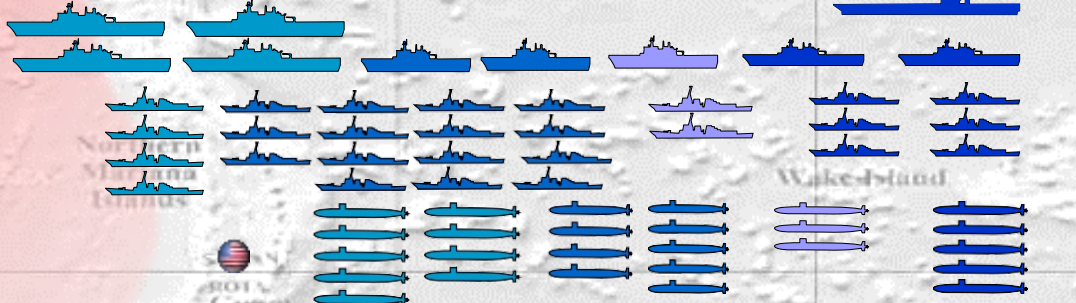
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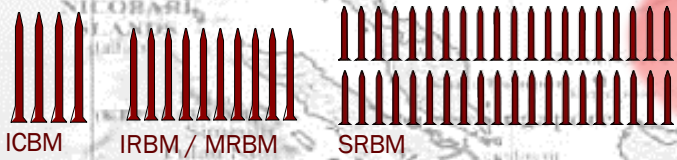
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MARITIME



MISSILES



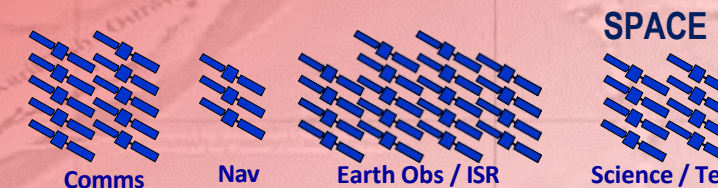
MISSILE DEFENSE



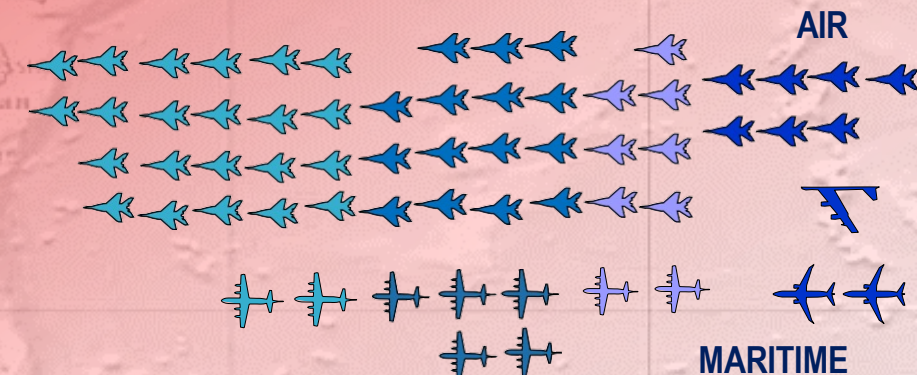
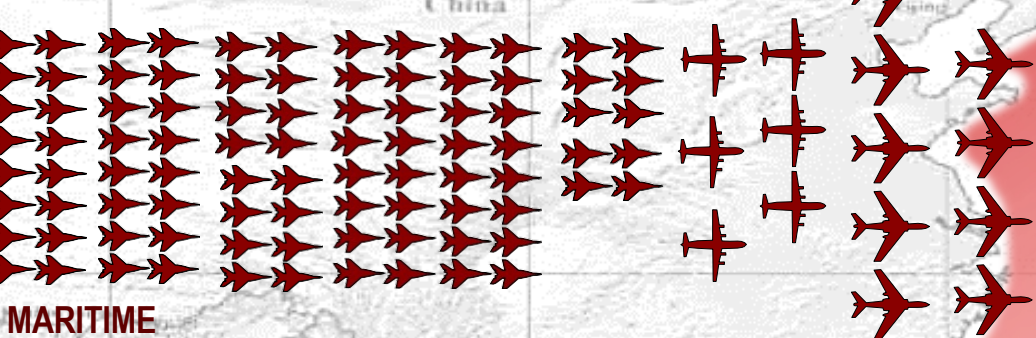
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= 25 Manned Bombers	= 1 Aircraft Carrier		

2025 (PROJECTED)

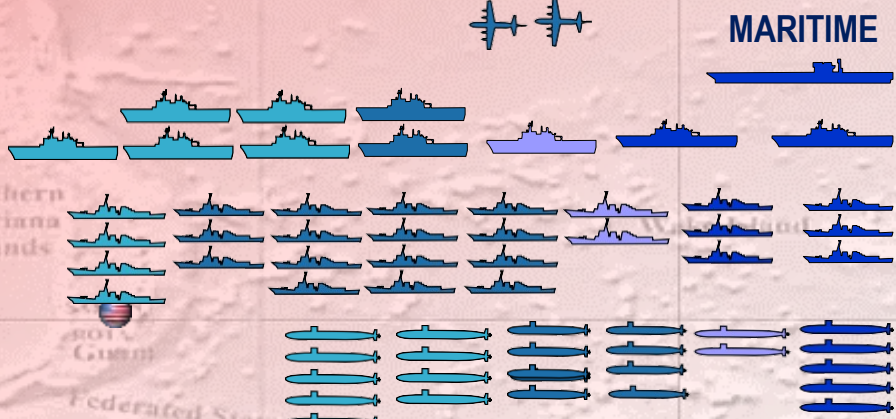
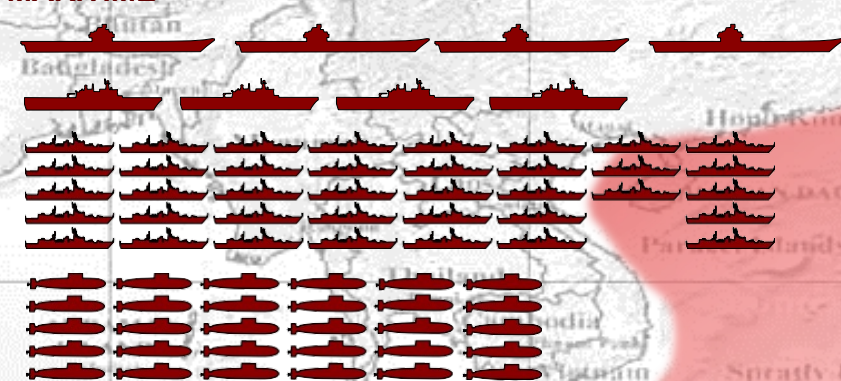
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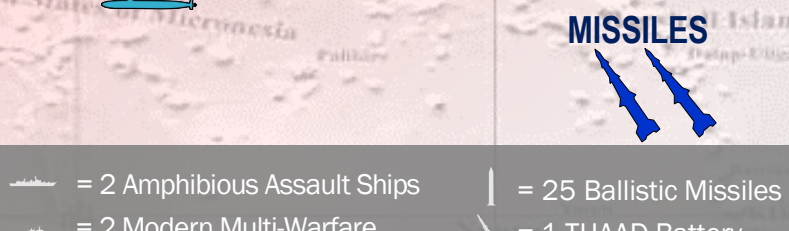
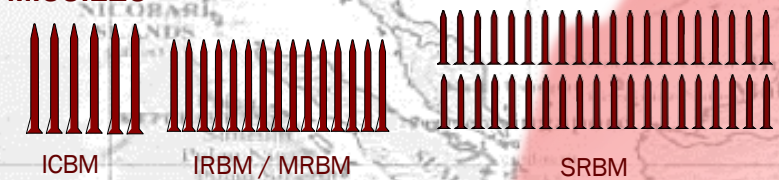
AIR



MARITIME



MISSILES



PLA
Anti-Access
Area Denial
(A2AD)
Capability

= 10 Satellites	= 5 Maritime Patrol Aircraft	= 2 Amphibious Assault Ships	= 25 Ballistic Missiles
= 25 Modern Fighters	= 2 Modern Submarines	= 2 Modern Multi-Warfare Combatants	= 1 THAAD Battery
= 25 Manned Bombers	= 1 Aircraft Carrier		



How Can You Help?

- Be aware of why we are using your airports
 - Allows us to train for the ACE concept
 - SSTK 2024
- Be aware of the China threat
 - Know where equipment is coming from
 - Vendors
 - China will embed equipment
 - Know who is buying land around you





Mission of the Future

Key Features and Capabilities

KC-46 TANKER

Self Protection

- Electromagnetic pulse hardening
- Chemical / biological operations
- Fuel tank ballistic protection
- Cockpit armor

Air Refueling Receptacle

- Extended range and flexibility
- 1,200 GPM

Crew Compartment

- Seating for 15 crew members
- Bunk/Storage/Galley/Lav

Camera Systems

- Hi resolution stereoscopic boom cameras
- 185 degree panoramic field of view

Wing Air Refueling Pods (WARPS)

- 400 GPM offload rate
- Improved hose response
- Improved fault detection and isolation

Defensive Systems

- Infrared countermeasures
- Radio frequency warning
- Night vision lighting

Centerline Drogue System (CDS)

- 400 GPM offload rate
- Parts commonality with WARPS
- Permanently installed

Advanced Fly-By-Wire Refueling Boom

- Modernized KC-10 boom design
- 1,200 GPM offload rate
- Full-time independent disconnect
- Full-time automatic load alleviation

Pratt & Whitney PW4062 Engines

- 62K thrust per engine
- 120 kVA generators

Multi-role Capabilities

Passenger Configuration

- FAA certified for 58 passengers; 114 for contingency operations
- C-17 palletized seating
- Palletized Air Transportable Galley/Lavatory
- Palletized passenger bags

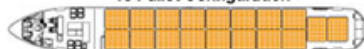
Passenger Configuration with Palletized Crew Bags and Air Transportable Galley/Lavatory



Cargo Configuration

- Seamless integration with Defense Transportation System
- 18 463L pallets; 10 pallets centerline configuration
- Integrated roller system
- Compatible with all USAF loaders

18 Pallet Configuration

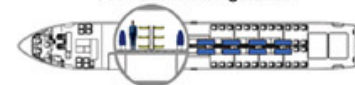


10 Pallet/Centerline Configuration

Aeromedical Evacuation Configuration

- 54 patients with patient support pallets
- 24 Litter / 30 Ambulatory
- 6-patient integrated capability
- Onboard emergency oxygen & electrical power

54 Patient Configuration





Questions?