

KC-46 Update

KC-46A
PEGASUS



■ Recent Program Highlights

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- **Delivered 19 aircraft as of 28 Aug**
 - 2 Pease ANGB, NH
 - 12 McConnell AFB, KS
 - 5 Altus AFB, OK
- **EMD, Phase II & III Flight Test**
 - 4,000+ flight hours
 - 5,800+ contacts; 5.8M lbs of fuel offloaded
 - 1,700+ receiver contacts; 3.8M lbs of fuel onloaded
- **Receiver Certification testing completed with F-16, C-17, F/A-18, KC-135, A-10, KC-46, B-52, F-15, F-35A; EC-130H**
 - F-22, B-2, C-5M, & V-2 in test now
- **Tested as a receiver behind: KC-135, KC-10 & KC-46**
- **Operational Test (Pre-IOT&E) started**



KC-46 Bases

Active, AF Reserve, Air National Guard

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Air Force officials announced five bases as candidates for the next round of active duty-led KC-46A Pegasus basing.

The bases include **Dover** Air Force Base, Delaware; **Fairchild** AFB, Washington; **Grand Forks** AFB, North Dakota; **Travis** AFB, California; and **Joint Base McGuire-Dix-Lakehurst**, New Jersey.



157 ARW
Pease ANGB
2 of 12 Aircraft
MOB 2



305 AMW
JBMDL
0 of 24 Aircraft
MOB 5

Dover AFB
Dover, DE



916 ARW
S-J AFB
0 of 12 Aircraft
MOB 3



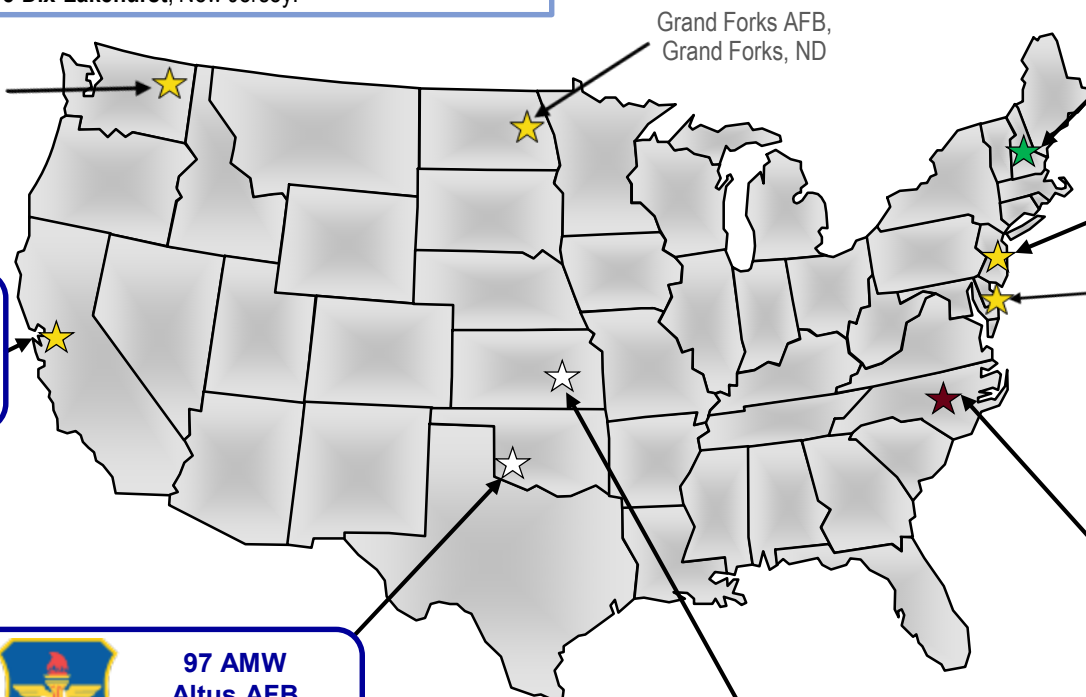
60 AMW
Travis AFB
0 of 24 Aircraft
MOB 4



97 AMW
Altus AFB
5 of 7 Aircraft
FTU



22 ARW
McConnell AFB
12 of 36 Aircraft
MOB 1



Active
ANG
Reserve
Planned

Aircraft numbers reflect PAA

Warfighter Requirements

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✓ **KPP #1: Same Sortie Boom & Drogue**



✓ **KPP #2: Range/Offload**



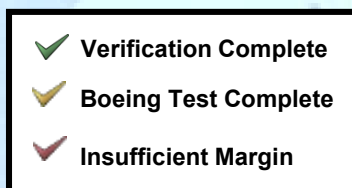
✓ **KPP #3: Worldwide Airspace Access**



KPP #4: Cargo & Passengers



✓ **KPP #9: Multi-Point Refueling**



✓ **Aeromedical Evacuation**



✓ **KPP #8: Survivability Defensive Systems & Night Operations**



✓ **KPP #7: Net-Ready**



✓ **KPP #6: Chem/Bio Protection**



✓ **KPP #5: Receiver Air Refueling**

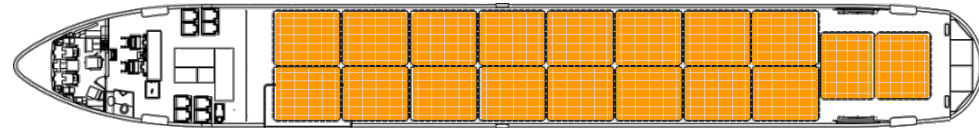
Multi-Role Configurations

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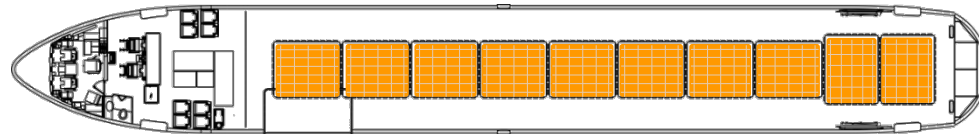
Cargo

- Seamless integration DOD transportation systems
- 18 463L pallets; 10 pallets in centerline configuration
- Integrated roller system
- Compatible with all USAF loaders

Side-By-Side Pallet Configuration



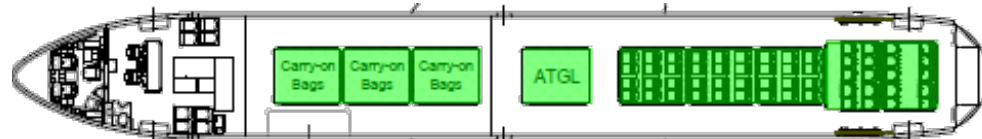
Centerline Configuration



Passenger Configuration

- 58 passengers in normal configuration; 114 for contingency operations
- C-17 palletized seating

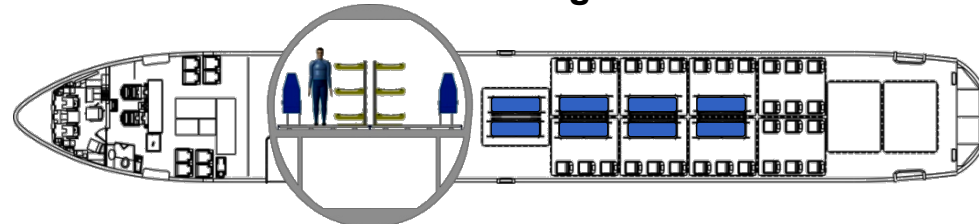
Certified Passenger Configuration



Aeromedical Evacuation

- 54 patients with Patient Support Pallets
- 24 Litter / 30 Ambulatory
- 6-patient integrated capability
- Onboard emergency oxygen & electrical power

AE Patient Configuration



Improved Combat Survivability

Designed for Medium Threat Environment

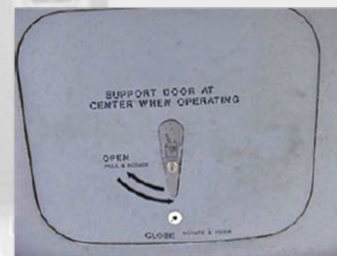
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Quick Start

- Support alert fighter operations
- Rapid tanker response to airfield threats
- Rapid crew access in MOPP gear

Threat Awareness and Avoidance

- Threat data integrated with mission planning system minimizes encounters
- Tactical situational awareness on large displays
- Night vision imaging system (NVIS) compatible displays and external lighting reduces tanker observability



KC-46A
Primary
Aircrew Door



Situational Awareness/
Threat Display

Threat Avoidance and Self Protection

- Radar warning system provides cockpit situational awareness displays of threat emitters
- Missile warning system can detect missile launch during all phases of flight
- IR countermeasure

Threat and Kill Tolerance

- EMP Hardening
- Ballistic protection features minimize damage
- Fire suppression equipment
- Systems and controls designed for operation in chemical or biological environments



KC-46A Digital Flight Deck
with NVIS-Compatible Lighting

- **“Game changing” capabilities demonstrated**
- **Teaming well with SPO to DD250 aircraft, 19 complete**
- **Roadmaps in place to close CAT 1 DR’s**
 - Boom Axial Load ECP submitted 1 July
 - Joint RVS Tiger Team working vigorously on CPP finalization
- **Japan, 1st international customer; Growing Int’l Interest**
- **Pegasus Combat Capability Block upgrade program...
increases war fighter effectiveness**

Demonstrated Commitment to our Guard Customer

