

The ARINC logo is displayed in white, bold, sans-serif capital letters within a blue-bordered rectangular box on a dark background.

AEROMEDICAL PALLET SYSTEM

Safe and efficient medical evacuation is becoming a major concern for the worldwide military medical community. Each year, many dedicated medical aircraft are taken out of service without replacement. At the same time, the critical nature of medical evacuation makes delays less tolerable and places a premium on immediate availability of suitable transportation.

The ARINC Aeromedical Pallet System (AAPS) is designed to solve this growing problem. It provides the ability to evacuate patients quickly and safely on any standard cargo aircraft.

Changing Cargo Planes into Ambulances

The concept of rapidly reconfiguring cargo planes into air ambulances—whenever needed—marks a significant advance in air evacuation. Although the AAPS was developed to meet U.S. Air Force requirements, it is completely interoperable and fits most cargo airframes used today.

Built on the same footprint as the standard 463L cargo pallet, the AAPS fits any aircraft and may also be adapted for use on ships or large trucks. The basic pallet is configurable to accept patients on litters, in seats, or in a combination of both.

Capacity of Standard Cargo Aircraft for AAPS Pallets and Patients

Aircraft Type	Pallet Capacity	Patient Capacity
KC-135	6	36
KC-10	27	162
C-17	18	108
C-130	5	30

Quick and Easy Deployment

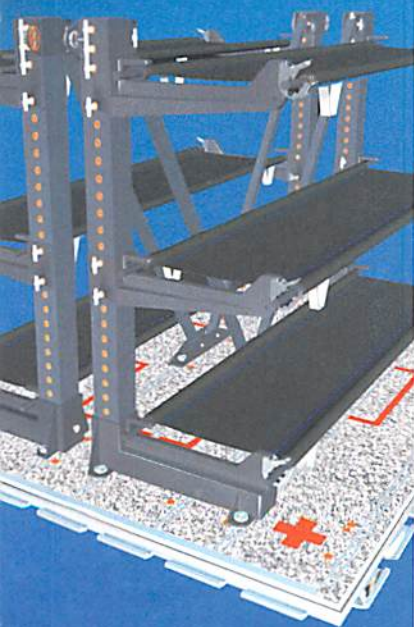
The AAPS can be rolled on and off aircraft, just like a cargo pallet. In only 20 minutes it can be set up and secured, ready for patient boarding. Multiple pallets can be installed simultaneously, so cargo aircraft can be converted for ambulance service quickly and efficiently. This solution greatly expands the roster of air-evacuation-capable aircraft.

Design Features

The AAPS is based on a specially designed 8-ft by 10-ft pallet of reinforced aluminum. After rolling onto the aircraft, it is secured to the cargo floor following standard cargo pallet procedures.

CONVERTS CARGO AIRCRAFT

INTO FLYING AMBULANCES



BENEFITS

- Converts cargo aircraft into flying ambulances
- Reduces the need for costly, dedicated aircraft
- Interoperable on all modern planes
- Deployable in advance
- Deliverable anywhere by cargo aircraft
- Accommodates litters or ambulatory patients

Tracks recessed into the pallet surface provide rigid mechanical attachment for airline-style seats or upright three-level stanchions to hold medical litters. The capacity of each AAPS is six patients seated, six patients on litters, or three in each configuration.

In operation, the pallet is loaded onto the aircraft and secured before patients are boarded. Litters are hand-carried on board and locked into the stanchions; ambulatory patients use the seats.

The AAPS is a flexible system; additional useful modules can be designed to assist with the mission of patient evacuation. Concepts currently under consideration include a restroom "comfort pallet," an electrical power and lighting pallet, and an oxygen pallet.

Reduces Costs

The U.S. Air Force field-tested the AAPS on KC-135 aircraft during actual air evacuations from Hawaii to Japan. Evaluators determined the AAPS has the potential to save the military over \$6 million annually in the Pacific area alone.

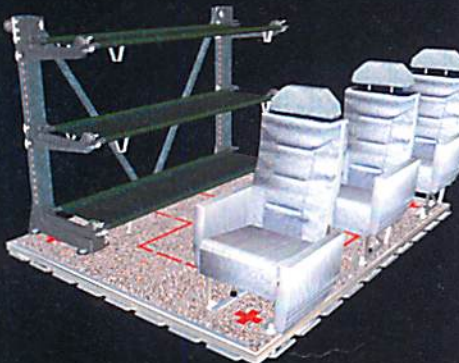
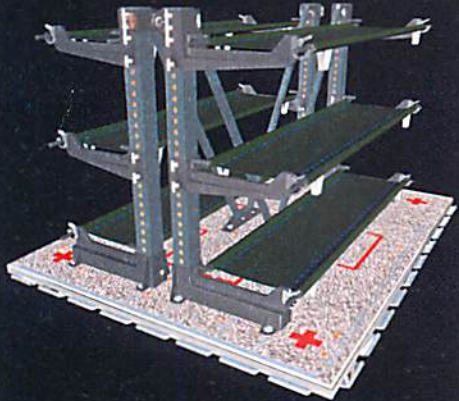
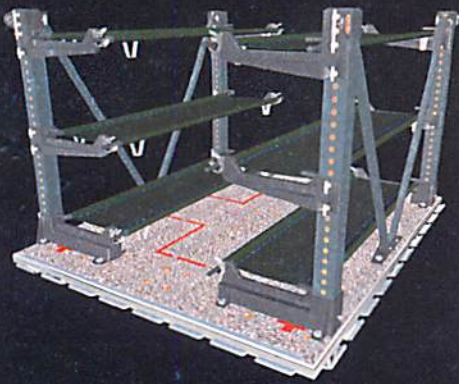
Improves Logistics

AAPS pallets are designed to stack on top of each other if necessary to save space. In addition, they are delivered in a fitted storage container to allow the entire AAPS system (with seats or litter stanchions) to be delivered as air cargo or stacked in storage facilities.

Although AAPS pallets can be stacked and delivered as cargo by air, the system is most effective when the pallets are ready for use when needed locally. The U.S. Air Force is determining optimal locations to pre-position its inventory of pallets around the world. Preventing delays in the start of evacuations is a major consideration in overall operational efficiency.

Ask ARINC

For detailed ordering information and a video demonstration of the ARINC Aeromedical Pallet System, send an e-mail request to AAPS@arinc.com or contact us at our Oklahoma City office.



The AAPS can be configured for litters or for ambulatory patients.

ARINC

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