



POWER CHAIR CARGO PROTECTOR

14-Jul-2023

Background

April 2023 SAFO 23003 Requirement:

Air Carriers that transport Battery Powered Mobility Aids (BPMAs) should be aware of their respective Original Equipment Manufacturer (OEM) instructions on how to properly load and secure BPMAs in aircraft cargo compartments.

Some power chairs exceed maximum point load weight of cargo bay floor panels

Current solutions rudimentary and done case by case

http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/safo

A SAFO contains important safety information and may include recommended action. Besides the specific action recommended in a SAFO, an alternative action may be as effective in addressing the safety issue named in the SAFO. The contents of this document do not have the force and effect of law and are not meant to bind the public in any way. This document is intended only to provide clarity to the public regarding existing requirements under the law or agency policies.

Subject: Carriage of Battery Powered Mobility Aids (BPMA) on aircraft.

Purpose: This SAFO serves to inform all Title 14 of the Code of Federal Regulations (14 CFR) Operators, including Part 121 Air Carriers, about the importance of properly loading and restraining BPMAs in the forward and aft lower cargo compartments.



Example of current method for stowing power chairs



SOLUTION REQUIREMENTS

Category	Requirement
Characteristics	Durable, lightweight, weather-resistant
Strength	Evenly distribute 600lb load
Useability	Easy to implement and remove
Size	28" x 38" x 2"
Location	Cargo Bay Entrance (Last on, First off)
Certification	N/A, classified as Operator Carry-on



ATS SOLUTION

ATS Power Chair Cargo Protector (PCCP) Concept: Fully Stowed



ATS Solution secures and distributes load of a power wheelchair (a.k.a. power chair) tied down in cargo bay



ATS SOLUTION: PCCP FEATURES

Category	Description
Placement	Place power chair on top of PCCP in cargo bay and secure with straps
Layered Pad	Durable vinyl-wrapped foam and Kydex plastic cover
Straps	2" nylon straps with plastic buckles
Load	Meets the required 600 lbs of load under normal operating conditions
Size	28" x 38" x 1.5"
Weight	9 lbs



PCCP with straps stowed

ATS Power Chair Cargo Protector (PCCP)

Meets SAFO 23003 requirements for supporting power chairs in cargo bays

Distributes weight of power chair, avoiding cargo bay damage and potential aircraft delays

Provides consistent method for baggage handlers and ramp crews to stow power chairs

- Light, sturdy, easy to use
- Convenient operator solution



Power chair on PCCP prior to securing



THANK YOU

For More Information, Contact:

Brady McGuinness

Director, Business Development

brady.mcguinness@ATSmro.com

+1 214 673 9806