



POWER CHAIR CARGO PROTECTOR

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Proprietary & Confidential



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



Excerpt from SAFO 23003

Safety Alert for Operators

SAFO 23003 DATE: 04/19/23

Flight Standards Service Washington, DC

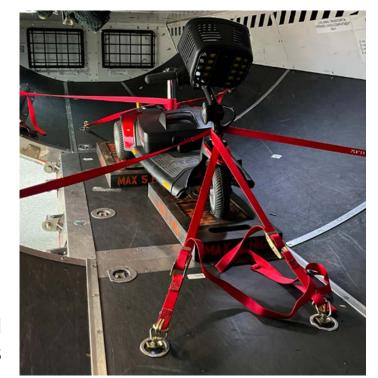


http://www.faa.gov/other visit/aviation industry/airline operators/airline safety/safo

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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

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 Power Chair Cargo Protector (PCCP) Concept: Fully Stowed



Straps with buckles secure power chair to PCCP

Layered pad supports power chair and distributes load on cargo bay floor panels

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



THANKYOU

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