

Transport of Lithium Batteries in Carry-on and Checked Luggage

Presented to: Systems working group meeting

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Federal Aviation
Administration



Hazardous Materials: Transportation of Lithium Batteries; Final Rule

- **Pipeline and Hazardous Materials
Safety Administration**
- **49 CFR Parts 171, 172, 173 and 175**
- **[Docket Nos. PHMSA–02–11989 (HM–224C)**
- **and PHMSA–04–19886 (HM–224E)]**
- **Effective Date: January 1, 2008**

Rule Provisions

- **US DOT Hazmat Safety Rule to Place Limits on Lithium Batteries Carried by Passengers Aboard Aircraft Effective January 1, 2008**
- **Designed to reduce the risk of lithium battery fires.**
- **Carry-on luggage**
- **Checked baggage**



Checked Baggage

- **Loose lithium batteries will no longer be allowed in checked luggage**
- **Lithium batteries that are installed in electronic devices will be allowed, providing:**
 - Secure the device from activation by locking the activation switch in the “off” position
 - Place the device in a protective case



Carry-On Luggage

- **Most consumer electronics containing lithium batteries, including cell phones, cameras and notebook computers are allowed**
- **Unlimited spare batteries, if under 100 watt-hours, are permitted, providing:**
 - Pack in original retail packaging, or
 - Insulate contacts of loose batteries with tape, and
 - Place each battery in a separate zip-lock plastic bag or container

Carry-On Luggage

- **Large lithium batteries, over 100 watt-hour, but under 300 watt-hour capacities**
 - Limit two per passenger
 - Insulate terminals with tape
 - Pack in original retail packaging, or
 - Place in zip-lock plastic bag
- **Large lithium batteries over 300 watt-hour capacity are prohibited in either checked luggage or carry-on luggage**

Additional Information for the Traveling Public

- www.SafeTravel.dot.gov
 - Information regarding packing and transport of lithium batteries and electronic equipment
 - Definitions
 - Tips, and
 - How To's

