Transport of Lithium Batteries in Carry-on and Checked Luggage

Presented to: Systems working group meeting
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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

  - Information regarding packing and transport of lithium batteries and electronic equipment
  - Definitions
  - Tips, and
  - How To's