

The memorial THIS MONUMENT IS OF THOSE WHO PERISHED IN THE FLORIDA EVERCLADES AIR ON MAY II. 1996



























































Laptop with Lithium-ion battery in carry-on baggage





Started burning in the overhead bin in the passenger cabin. Fire extinguished on the ramp.

Prototype Lithium Battery shipped by a PHMSA Approval Holder



Fire discovered as ULD was being loaded for trans-Atlantic cargo flight in Memphis.

Two 12-volt nonspillable batteries packed together





Batteries were packaged together in same box. Package caught fire in air cargo sort facility.

Portable drill in checked baggage

Battery-powered drill accidentally activated in checked baggage. Drill/battery overheated and caused suitcase to catch fire on the ramp right before loading on passenger flight.

12-volt nonspillable battery in powered hand truck

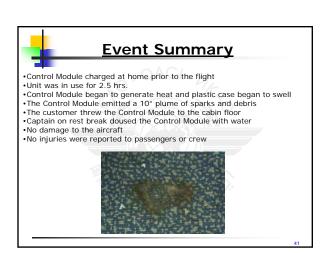


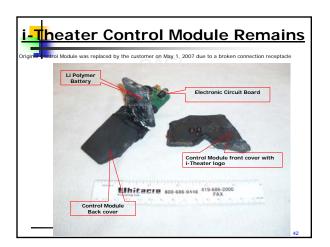
Hand truck
activated during
taxi for takeoff on
passenger flight.
Packaging
prevented motor
movement.
Overheated battery
and motor and
melting cables set
off smoke alarm
and aircraft
returned to gate.

Lithium Ion Batteries for Remote Control Model Cars







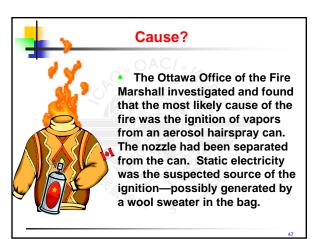
















Cause?

- Undetermined
- A can of hairspray (flammable aerosol) that had been full was still intact but was dented and had apparently lost much of its contents
- Possible ignition sources:
 - Spark from metal contact
 - Electrostatic discharge (Conveyor belt? Cell phone?)



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Luggage Explosion

- May, 2003, San
 Francisco, a case
 containing electronic
 equipment exploded
 when being loaded on
 to a passenger aircraft.
- Minor injuries sustained by a baggage handler.



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Cause?

- Undetermined
- No explosives or other hazardous materials were found.
- Adhesive and foam had been applied to the inside of the case shortly before sealing it.
 Flammable vapors from the adhesive may have been ignited by a spark or electrostatic discharge.



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