



UPS Airlines Fire Safety Enhancements

October 31, 2013



**UPS places the highest emphasis
on aviation safety.**



UPS Fleet



Boeing MD-11



Boeing 757



Boeing 767



Boeing 747-400



Airbus A-300





1700 Flight Legs
700 Destinations
220 Countries and Territories



WE ♥ LOGISTICS™

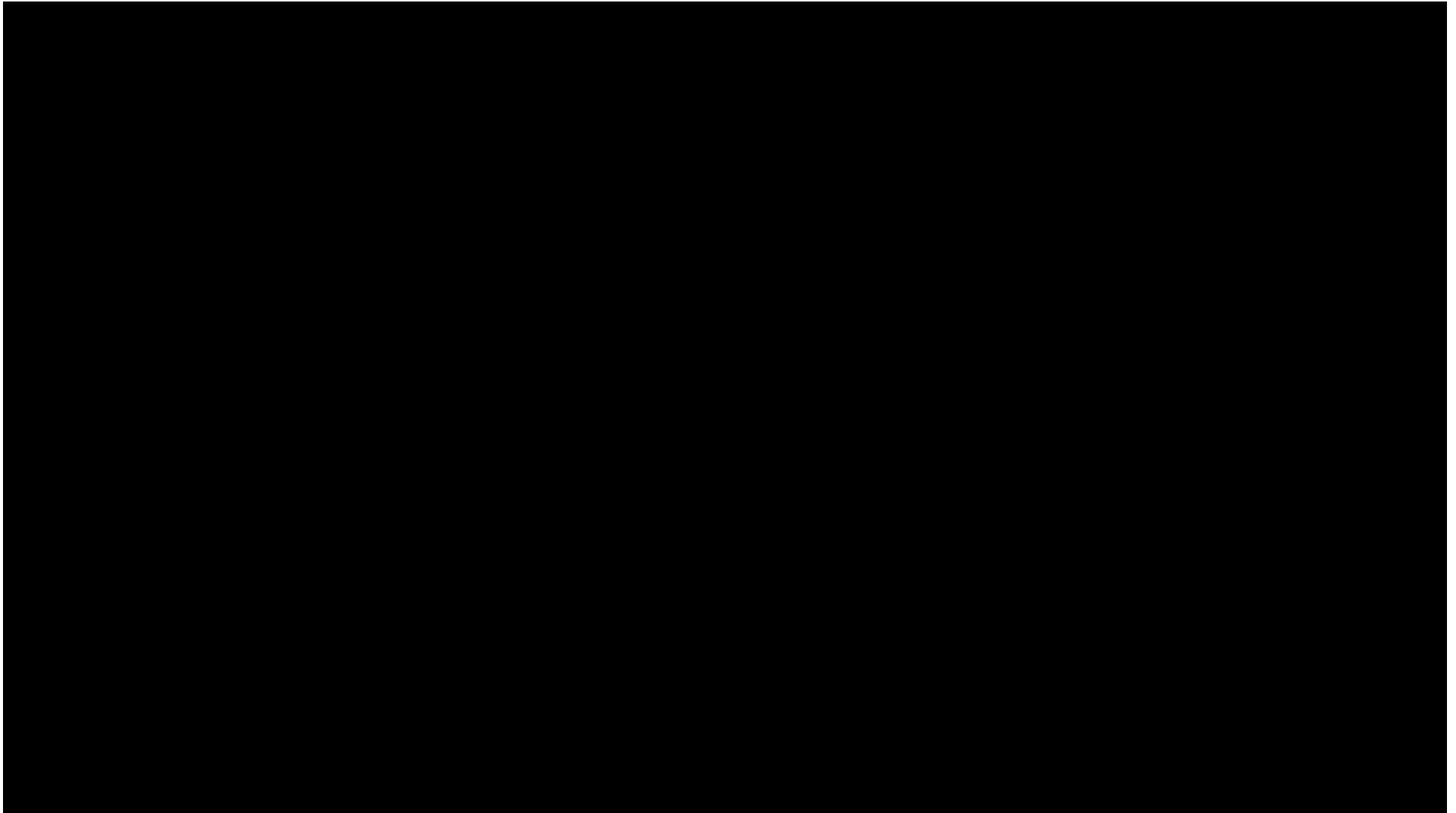
Fire resistant unit load devices

- Fiber-reinforced plastic
- Withstand fires with a peak temp of 650 C / 1200 F for at least four hours
- Less fuel burn
- More durable



ULD fire test

MACROLite



Fire Containment Covers

- Withstand fires with a peak temperature of 650 C / 1,200 F for at least four hours
- Palletized cargo
- 575 purchased
- Implemented on routes with significant electronics



FCC fire test

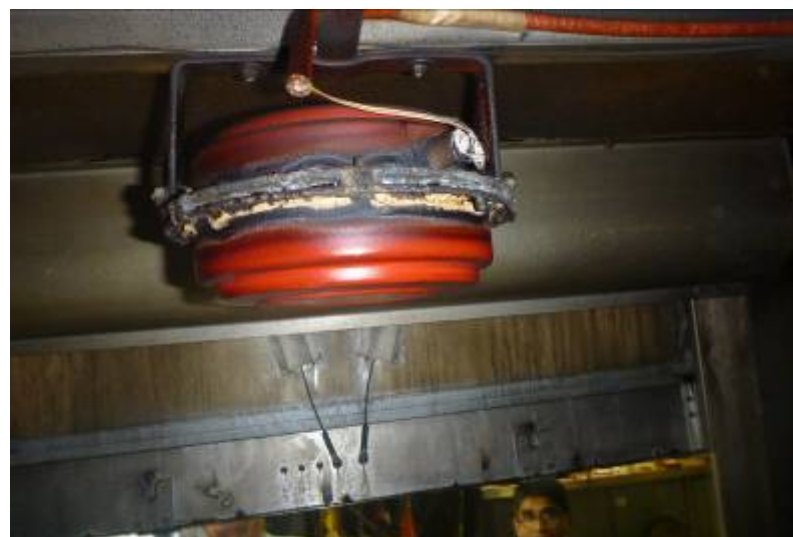
Flight deck improvements



EVAS



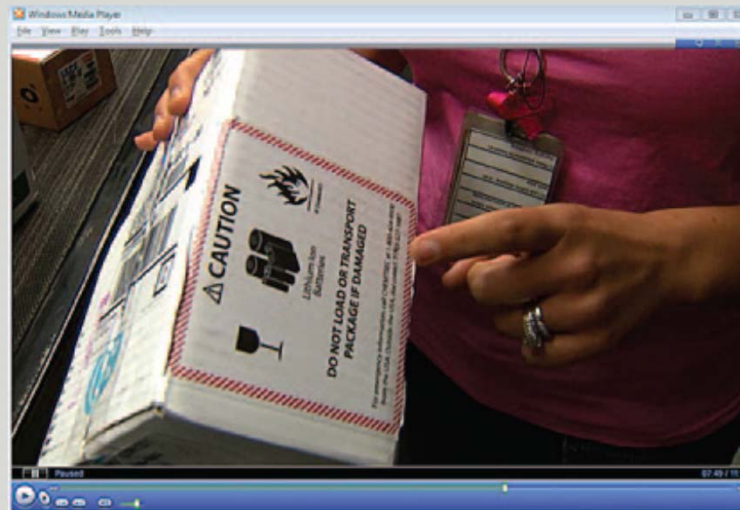
Continued research - suppression



After fire test

Employee and customer solutions

- Education and Communication
- Auditing
- Reference material on UPS.com
- Strong action for shipper non-compliance



Determined People Working Together ...

- Harmonization of regulations across borders and modes of transportation
- Lithium battery manufacturer compliance
- Shipper outreach and enforcement by regulators
- Regulator and industry collaboration



Questions and Discussion

