

Lessons Learned from Transport Airplane Accidents; Creation of a Web-Based Knowledge System

Nine Major Accidents that influenced fire and cabin safety standards as detailed @ <http://accidents-ll.faa.gov/index.cfm>

Presented by:

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1. United Airlines Flight 227, Boeing Model 727-22, N7030U



Location: Salt Lake City (SLC), Utah

Date: November 11, 1965

Enhanced Standards: fuselage fuel lines, landing gear structure, flight attendant seating, pre-evacuation checklists

2. Continental Airlines Flight 603, McDonnell Douglas DC-10, N68045



Location: Los Angeles, California

Date: March 1, 1978

Enhanced Standards: Tires, brakes, takeoff/landing performance, escape slides

3. Saudi Arabian Airlines, Flight 163, Lockheed L-1011, HZ-AHK



Location: Riyadh, Saudi Arabia

Date: August 19, 1980

Enhanced Standards: Cargo compartment fire standards

4. Air Canada Flight 797, McDonnell Douglas DC-9-32 (S/N 47196), C-FTLU



Location: Cincinnati International Airport, Covington, Kentucky

Date: June 2, 1983

Enhanced Standards: Emergency exit marking, emergency exit lighting, lav smoke detectors, lav trash fire extinguishment, personal breathing equipment, fire protection for cargo and baggage compartments

5. British Airtours Flight KT28M, Boeing Model 737-236, G-BGJL



Location: Manchester International Airport, UK

Date: August 22, 1985

Enhanced Standards: Fuel tank access cover impact capability, emergency exit access, emergency equipment, flight attendant seats

6. South African Airways Flight 295, Boeing 747-244B Combi, Serial Number 22171



Location: Mauritius, Indian Ocean

Date: November 28, 1987

Enhanced Standards: Cargo compartment fire protection

7. ValuJet Airlines Flight 592, McDonnell Douglas Model DC-9-32, N904VJ



Location: Everglades, Near Miami Florida

Date: May 11, 1996

Enhanced Standards: Cargo compartment fire protection, hazardous cargo

8. TWA Flight 800, Boeing 747-100, N93119



Location: Near East Moriches (off of Long Island), New York

Date: July 17, 1996

Enhanced Standards: Fuel tank flammability reduction, fuel tank ignition prevention

9. Swissair Flight 111, MD-11



Location: Atlantic Ocean near Peggy's Cove, Nova Scotia

Date: September 2, 1998

Enhanced Standards: Material flammability, in-flight entertainment systems, wiring maintenance