

# Fire, Smoke or Fumes Occurrences on Transport Airplanes “A Study”

International Aircraft Systems Fire  
Protection Working Group Meeting

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Federal Aviation  
Administration



# Objectives of Study:

- 1) Collect data relating to in service occurrences involving fire, smoke fumes or odors on US registered aircraft.
- 2) Collect data relating to false fire, smoke or fumes warnings on US registered aircraft.
- 3) Compile the data into an Occurrence Database.



# Objectives of Study:

- 4) Compare Genuine and False occurrences by source of fire, smoke, fumes or odors and consequences (Diversion, Overweight Landings, etc.)
- 5) Analyze the data to derive any likely trends.
- 6) Analyze the data to determine the monetary impact of the occurrences and any trends in these impacts.

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# Scope:

- **Data will be collected from the following:**
  - The FAA Accident and Incident Data System
  - The NTSB aviation accident database
  - FAA Service Difficulty Reports
- **Transport Category Airplanes greater than 12,500 lb. MTOW**
- **Data Range of 2002 to 2011 inclusive.**

