

Gulfstream Aerospace Corporation

G-IV, N121JM Bedford, Massachusetts May 31, 2014

Investigator-in-Charge presentation



Accident Summary

- May 31, 2014, 2140 local time
- Gulfstream Aerospace Corp. G-IV
- Part 91 corporate flight
- Laurence G. Hanscom Field (BED)
- Three crewmembers, four passengers fatally injured
- Night visual meteorological conditions



Accident Summary

- Arrived at BED about 1545; gust lock engaged after landing
- Passengers returned about 6 hours later
- Gust lock not disengaged before engine start
- Gust lock/throttle lever interlock
 - Allowed 3 to 4 times throttle lever movement than design intent



Accident Summary

- Pilots did not discuss checklists or takeoff planning
- Pilots did not perform flight control check
- Gust lock remained engaged



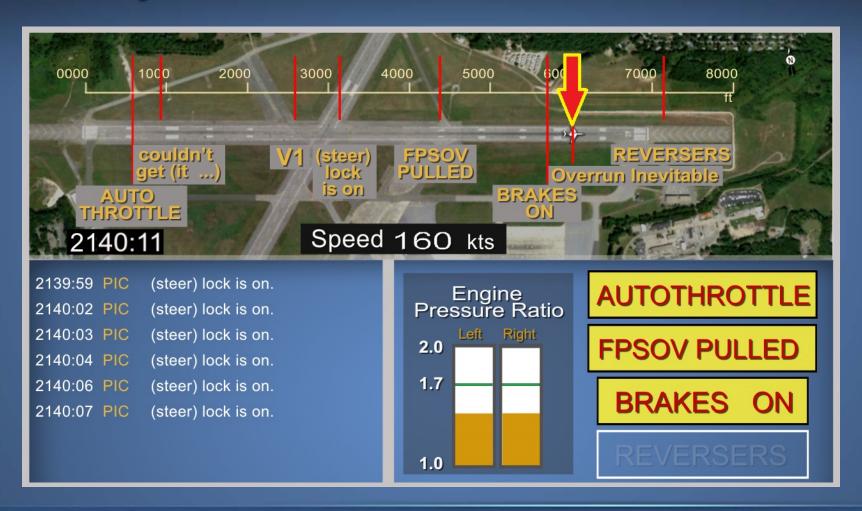
Animation

Video is located on the NTSB YouTube Channel:

http://www.youtube.com/user/NTSBgov



Rejected Takeoff





Safety Issues

- Retrofit of G-IV gust lock system
- Lack of guidance regarding use of engineering drawings during design reviews
- Importance of using challenge-verificationresponse format for checklists
- Defining scope of procedural noncompliance in business aviation
- Replacement of nonfrangible fittings



Parties to Investigation

- Federal Aviation Administration
- Gulfstream Aerospace Corp.
- Massachusetts Port Authority
- Honeywell International
- Rockwell Collins



Accredited Representative

- United Kingdom Air Accidents Investigation Branch
 - Rolls-Royce (United Kingdom)





National Transportation Safety Board