

National Transportation Safety Board

Technology in Aviation Accidents – Friend and Foe

Katherine Wilson, Ph.D. NTSB, Office of Aviation Safety

Overview

- Technology benefits:
 - advanced aircraft systems
 - predictive maintenance
 - connectivity, etc
- Technology challenges:
 - cockpit distractions
 - mode/system confusion
 - loss of stick and rudder skills, etc



Technology in Accidents/Investigations

"Friend"

- Cell phone records sleep/activity periods
- Onboard data records video, audio, system status



Technology in Accidents/Investigations

"Foe"

- Pilot distractions
- Cockpit activities/behavior







NTSB Most Wanted List

- Expand Recorder Use to Enhance Safety
- Eliminate Distractions



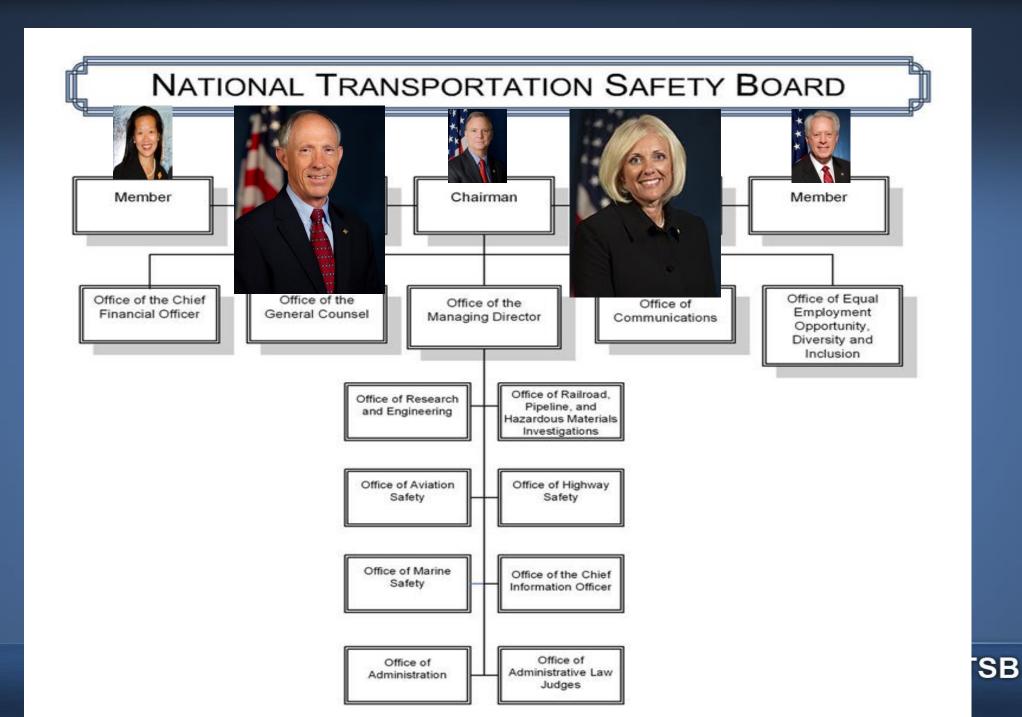


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NTSB Update

Foreign Investigations





Office of Aviation Safety

- Staffing
 - 125 total
 - 88 investigators
 - 51 in regions, 37 at headquarters
- ~ 1300 U.S. accidents per year
 - ~ 5 launches per week
- ~ 1000 foreign notifications
 - ~ 250 acc rep assignments per year
 - 6 foreign launches in 2018



U.S. Investigations

- Air Canada 759
- Ypsilanti, MI MD-83
- Teterboro, NJ Learjet



CFM56 SWA engine failure





CFM56/SWA Investigative Hearing

Hearing Issues:

- fan blade design and development
- fan blade inspection methods & procedures
- engine containment design and certification criteria





Other Initiatives

- ASIAS MOU
- Data Analytics
- Turbulence Study

