



# HSAC

Helicopter Safety Advisory Conference

Safety Through Cooperation  
Since 1978

## Aerial Observation Committee

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### Agenda

AeroMaestro/Spidertracks Presentation

Safety, Incident Reporting, and Shares

AMSAFE Airbag System

RP's: Maintenance, Flight Following, Technology in Cockpit All

Miguel Gonzales

Tom Buchner

Scott Woodard

15 Participants: AviSight, Barr, Chevron, Energy Transfer, KCSI, Shell



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## Safety, Incident Reporting and Shares

- Accidents per 100,000 flight hours: GA Non Commercial Fixed Wing 5.27, Commercial Fixed Wing 2.17 (approx. half are crop dusters); Aerial Patrol Industry 2.93; **Aerial Patrol HSAC 1.21**
- **NASA ASRS:** Pipeline patrol pilot distracted with tracking laptop while entering info and descended from 700' to 250' AGL inadvertently while circling over dig site
- **Helicopters:** Four Incidents since June 2023 regarding helicopters engaged in Pipeline or Utility work
- **05/25/2023 – Grand Isle, LA – Cessna 182 - Fish spotting – Controlled flight into water - one fatality**
- **10/1/2023 – Lake Placid, NY – Cessna 177RG – Not Pipeline Patrol – Impossible Turn?**
  - Suffered an engine failure and attempted to return but failed to make the runway from Lake Placid Airport
- **5/17/2021 – St. Louis, MI – Cessna 182 – Pipeline Patrol – Impacted Tower Guy Wire – Snapchat**
  - Two individuals reported that the pilot posted a Snapchat video shortly before the accident.
  - Based on the known information, it is likely the pilot was distracted while he used his mobile device in the minutes before the accident and did not maintain an adequate visual lookout to ensure a safe flight path to avoid the radio tower and its guy wires.



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## Recommended Practices Updates

- 2006-01 Preferred Maintenance Guidelines– significant revisions required
  - Document reviewed, revisions made by group and incorporated
  - Will schedule a follow up, off-cycle, review of document with the hope of submitting to HSAC board at the January Meeting
- 2008-01 Flight Following
  - Document reviewed, revisions made by group and incorporated
  - To be submitted to HSAC Board for Approval
- 2024-01 Aerial Mapping Technology Use During Pipeline Patrol
  - To be drafted in 2024 as a new RP to address the incorporation of technology and data acquisition during aerial patrols



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## AirMaestro/Spidertracks

- Review of AirMaestro SMS System and Integration of Spidertracks Satellite Flight Following

## AMSAFE Seatbelt Airbags:

- Airbag retrofit of GA 2 and 3 strap seatbelt systems

## Future Guest Speakers

- AOPA Air Safety Foundation
  - Outline of their safety training resources
  - Review of their training database
  - Backcountry flying risk overlap with aerial patrol
  - Get the AOPA “How to teach and build a culture of safety”
- Review of IOGP 690 Guidelines
- BRS Parachutes, Helmets