



HSAC

Helicopter Safety Advisory Conference

Safety Through Cooperation
Since 1978

Aerial Observation Committee

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Agenda

Safety, Incident Reporting, and Shares

Maintenance and Flight Following RP's

FAA SMS Mandate and AOPA Engagement on HSAC

19 Participants: **Aerial Patrol, LLC**, AviSight, Barr, **Brentco**, Chevron, Dow Chemical, Energy Transfer, FAA, KCSI, Marathon



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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**
- 03/21/2023 – Alcova, WY – C182- Pipeline Patrol – Impacted mountainous terrain
 - Good VFR but windy conditions - One fatality
 - Downdraft into terrain?
- 04/24/2023 – La Porte, TX – Maule MXT-7-180
 - Pilot experienced engine problems after departure, turned around, but crash landed in the grass on airport property (stall?) – Serious injuries
 - “According to the carburetor icing probability chart, with a temperature of 14 degrees C and a dew point of 9 degrees C (+5 dewpoint depression), the airplane was operating within the range conducive to serious carburetor icing at any power.”



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- Wind Limits, Company and Personal
- Carb Ice Awareness Training – annual
- Stall Spin Awareness Training – annual and check rides
- Review emergency procedures prior to each departure. How/where to land if engine failure on takeoff.
- Consideration as to what equipment is affixed to yokes
- Shoulder Harness, Airbag

Recommended Practices Updates

- 2006-01 Preferred Maintenance Guidelines– significant revisions required
- 2008-01 Flight Following – significant revisions required



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FAA SMS Rule for Part 135 and Part 91:

- Expand the applicability of part 5 beyond part 121 operators to include part 135 operators, § 91.147 air tour operators, and certain certificate holders under part 21
- Opportunity to engage AOPA Air Safety Foundation about HSAC SMS resources

Aviation Safety Equipment Retrofits (Topics for Future Presentations)

- Seatbelt Airbags
- BRS Parachutes
- Helmets

Future Guest Speakers

- National Rescue Command Center – What happens when an ELT is activated and how can pilots get rescued as quickly as possible
- AOPA Air Safety Foundation