

Outline: Reporting In Flight Trouble

Note: This outline is not comprehensive. It is intended to assist in the preparation and later study of the material presented.

Intro, Objectives

- Recap of what's out there
- Importance of setting example of Positive Safety Culture
- Reporting helps others
- Regulatory compliance in some cases

What's NOT covered

- PIREP's (Bonus PIREP form as handout)
- Specific EP's
- Comms failure (specific situation covered by FAR's)
- Investigations in detail (FSIMS contains FAA Order 8900.1)
- How to fill out the various forms

References

- FAR's
 - o 91.3 – Responsibility and Authority of PIC
 - o 91.11 – Prohibition on Interference with Crew
 - o 91.111 – Prohibition Against Interference with Crew
 - o 91.113, 115 – Right of Way Rules
 - o 91.25 – ASRP
 - o 91.123 – ATC Compliance
 - o 91.187 – IFR Malfunction Reports
- AIM
 - o Para 5-3-3
 - o Para 6-1-2
- NASA ASRS: AC 00-46F
- 49 CFR 830.5 (NTSB 830.5)
- FAA Safety Briefing, July / Aug 2021 issue
- Laser Illumination: AC 70-2B

Company Procedures / Reports

- Personnel Injury report
- Mx Discrepancies
- ASAP Program
- Other company reports?

FAA + Federal

- General In-Flight Malfunctions (Regulatory Recap)
- ATC Interfaces to consider
 - o Emergency services / Mayday
 - o Malfunction Reports
 - o Phone relay
 - o Minimum Fuel, Emergency Fuel
 - o ELT Presence

- NASA Form and ASRS Program Recap
- NMAC
- Bird / Wildlife Strike
- Laser Illumination: AC 70-2B
 - o <https://pilot-protection-services.aopa.org/news/2020/august/01/faa-updates-guidance-for-reporting-laser-strikes> ; and
 - o https://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_70-2B_Final.pdf
- NTSB reportable incidents (49 CFR Part 830.5, aka NTSB 830.5 Recap):
<https://www.law.cornell.edu/cfr/text/49/830.5>

Links to on-line resources

- FAA for Pilots: <https://www.faa.gov/pilots/>
- FAR's: https://www.ecfr.gov/cgi-bin/text-idx?&c=ecfr&tpl=/ecfrbrowse/Title14/14tab_02.tpl
- AIM: https://www.faa.gov/air_traffic/publications/media/aim_basic_6_17_21.pdf
- Wildlife Hazard Mitigation: https://www.faa.gov/airports/airport_safety/wildlife/#strikedata
- FAA mag article on bird strikes: <https://medium.com/faa/splat-the-story-of-snarge-ed1c1853068>
- Laser Illumination: <https://www.faa.gov/aircraft/safety/report/laserinfo/>
- ASAP Program: <https://www.faa.gov/about/initiatives/asap/>
- NASA ASRS: <https://asrs.arc.nasa.gov>
 - o NASA Form 277B: See Forms + Handouts section below
 - o ASRS for UAS community: https://www.faa.gov/uas/getting_started/asrp/
- NTSB 830.5: <https://www.law.cornell.edu/cfr/text/49/830.5>

Forms + Handouts

- NASA ARC 277B: **Saved as PDF handout.**
- NMAC: FAA Form 8020-21: **Saved as PDF handout.**
- Bird / Wildlife Strike: https://www.faa.gov/airports/airport_safety/wildlife/
 - o FAA Form 5200-7: **Saved as PDF handout.**
<https://www.faa.gov/forms/index.cfm/go/document.information/documentID/185872>
 - o www.Wildlife.faa.gov has on-line form and other info
- Laser Beam Exposure Questionnaire: **Saved as PDF handout.**

Q&A