

Q2 FY 2019 Release Notes

This Document supersedes the previous Small Airplane Issues List (SAIL), Revision (Rev.) 7, dated August 24, 2018. The previously published superseded SAIL, Rev.7, dated August 24, 2018 can be found by clicking [here](#).

Description of changes:

- 1) Added a note referencing to Regulatory and Guidance library where the published Advisory Circulars, Policy, and guidance are located.
- 2) Added identification number for each issue.
- 3) Added version number for each issue.
- 4) Added regulatory reference for each issue.
- 5) Item number 2800, titled *ADS-B Out System Installation (NEXTGEN)* updated with addition of fourth paragraph.
- 6) Item number 2840, titled *Airspeed Indicator Markings* updated by changing “Amdt” to “amendment” in second paragraph.
- 7) Item number 4080, titled *Autoland Systems* updated.
- 8) Item number 1780, titled *Autothrust Systems* updated by changing “Amdt” to “amendment” in second paragraph.
- 9) Item number 3040, titled *Battery Storage – Loss of Primary Electrical Generating System* updated with rearrangement of language in third paragraph.
- 10) Item number 2300, titled *Composite Floats – durability/fatigue* updated by changing “Amdt” to “amendment” in fifth paragraph.
- 11) Item number 1640, titled *Composite or Nonmetallic Firewall* updated with addition of fourth paragraph.
- 12) Item number 2860, titled *Data Link System Supporting Air Traffic Services (ATS) Communications (NEXTGEN)* updated with change/rearrangement of language in fourth paragraph.
- 13) Item number 3120, titled *Balloon Lifting Envelope Changes* has replaced *Determination of Substantiality – Changing Lifting Envelope on Balloon*.
- 14) Item number 2520, titled *Electronic Flight Instrument Systems (EFIS)* updated with addition of fourth paragraph.

- 15) Item number 1820, titled *Engine Controls – Certification Requirements for Installation of a Full Authority or Supervisor Electronic Engine Control System (EEC/FADEC)* updated by changing “Amdt” to “amendment” in second paragraph.
- 16) Item number 2080, titled *Engine Cooling – Liquid Coolant Tank Capacity Requirements* updated by change/rearrangement of language in first paragraph. Changed “Amdt” to “amendment” in third paragraph.
- 17) Item number 2680, titled *Enhanced Vision System (EVS) and Synthetic Vision Systems (SVS)* updated by combining separate items *Enhanced Vision System (EVS)* and *Synthetic Vision Systems (SVS)* into one description along with addition of fifth paragraph.
- 18) Item number 4000, titled *Envelope Protection and Emergency Descent Mode* updated with addition of second paragraph.
- 19) Item number 2240, titled *Fatigue Management Programs (FMP)* updated with addition of “then” in first paragraph.
- 20) Item number 3420, titled *Fire Extinguishing/Suppression Agent (Halon Replacement)* updated by change/rearrangement of language in third paragraph.
- 21) Item number 1880, titled *Fire Protection – Turbine Engine Oil Systems Without a Shutoff Valve* updated.
- 22) Item number 1600, titled *Fire Protection of flight controls, engine, mounts, and other flight structure* updated.
- 23) Item number 1420, titled *Flight Into Known Icing (FIKI): Approvals, changes, and changes affecting Icing Related Airworthiness Directives (AD)* has replaced *Flight into Known Icing (FIKI) approval*.
- 24) Item number 2140, titled *Fuel System – Fuel Systems that Reject Heat Through the Fuel System Resulting in Elevated Operational Fuel Temperatures* updated with change/rearrangement of language in third paragraph.
- 25) Item number 2120, titled *Fuel System – Pressure Defueling* updated with rearrangement of language in second paragraph.
- 26) Item number 4100, titled *Fully Autonomous Flight Control Systems* updated with addition of “if the applicant” and “then they” language in first paragraph.
- 27) Item number 2420, titled *HIRF/Lightning Test Levels and Compliance Methods for 14 CFR Part 23 Class I, II, and III Airplanes* updated with rearrangement of language in third paragraph.

- 28) Item number 1420, titled *Flight Into Known Icing (FIKI): Approvals, changes, and changes affecting Icing Related Airworthiness Directives (AD)* has replaced *Icing – Cessna 208 Aircraft*.
- 29) Item number 1420, titled *Flight Into Known Icing (FIKI): Approvals, changes, and changes affecting Icing Related Airworthiness Directives (AD)* has replaced *Icing – Low Airspeed Awareness for Autopilot*.
- 30) Item number 2980, titled *Installation of Rechargeable Lithium Battery and Battery Systems on Airplanes* updated by changing “Amdt” to “amendment” in second paragraph.
- 31) Item number 3360, titled *Laser Installation* updated with addition of fourth paragraph.
- 32) Item number 2250, titled *Load Relief/Alleviation Systems* updated with rearrangement of language in second paragraph.
- 33) Item number 3580, titled *Material Design Values* updated with change/rearrangement of language in fourth paragraph.
- 34) Item number 2000, titled *Powerplant Indications – Use of Digital Only Indications* updated with change/rearrangement of language in second paragraph.
- 35) Item number 1740, titled *Required Evaluation for all part 23 diesel engine installations* updated by changing “later” to “after” along with addition of third paragraph.
- 36) Item number 3760, titled *Seat & Passenger Reduction Via STC or Amended TC* updated with addition of “This policy memo is available upon request” language.
- 37) Item number 3780, titled *Seats – Side Facing Seats* updated by changing “Amdt” to “amendment” in fourth paragraph.
- 38) Item number 2960, titled *Security Considerations (Cybersecurity)* updated with change/rearrangement of language in third paragraph.
- 39) Item titled *Special Class Products certificated under 14 CFR 21.17(b) (UAS etc.)* has been removed.
- 40) Item number 2460, titled *System Level Verification of Software and Airborne Electronic Hardware (AEH)* has been updated.
- 41) Item number 3900, titled *Tethered Balloon* updated with addition of “This policy memo is available upon request” language.

- 42) Item number 1960, titled *Turbine Engines Shutdown* updated with addition of language in first paragraph and change/rearrangement of language in fourth paragraph. Engine vinyl
- 43) Item number 3970, titled *Unlimited Acrobatic Stability Special Conditions/Mean of Compliance* updated by changing “Amdt” to “amendment” in second paragraph.
- 44) Item number 2600, titled *Use of Speech Recognition or Voice Activated Technology for Avionics Data Entry in Part 23 Airplanes* updated by breaking description up into two separate paragraphs.
- 45) Item number 2260, titled *Vinyl Covering Shrink Wraps on Exterior of Part 23 Airplanes, Gliders, and Airships* updated with addition of “This policy memo is available upon request” language.
- 46) Item number 2760, titled *Vision Systems – Night Vision Imaging Systems (NVIS)* updated with change of language in first paragraph. In second paragraph the FAA accepted MOC has been updated from a “draft Project Specific Policy Memo (revision A)” to “a Policy Memo”.
- 47) Item number 2900, titled *Wireless LAN Installation* updated with new title of *Wireless Local Area Network (LAN) Installation*. Note #2 has been updated. The last paragraph in description has been updated.