

PRACTICE EXAM 22: FAA IA KNOWLEDGE TEST SIMULATION

Practice Exam 22 — Questions 1 through 50

1. An IA is reviewing a Form 337 for a major alteration that references an STC. The Form 337 Block 8 description reads: "Avionics installation per STC." The document is:

- A. Acceptable for regulatory review under AC 43.9-1E
- B. Acceptable because the STC reference is included
- C. Inadequate without specific STC identification details
- D. Complete given the brief nature of the alteration

2. Under 14 CFR § 43.3(g), a certificated pilot may perform preventive maintenance on the pilot's own aircraft as listed in:

- A. Part 43 Appendix A, paragraph (c)
- B. Part 43 Appendix B, paragraph (b)
- C. Part 43 Appendix D, paragraph (a)
- D. Part 43 Appendix A, paragraph (a)

3. A recurring airworthiness directive has been complied with at aircraft total time 2,875 hours. The AD requires recurring compliance every 125 hours. The next compliance is due at aircraft total time:

- A. 2,950 hours
- B. 2,975 hours

C. 3,000 hours

D. 3,000 hours (exactly at AD interval)

4. The IA's verification that an STC applies to a specific aircraft includes confirmation of:

A. The owner's training for the modified aircraft operation

B. The aircraft's serial number within the Approved Model List

C. The installer's certification by the STC holder

D. The STC holder's current business license

5. Under 14 CFR § 65.91(c), an applicant for Inspection Authorization must have:

A. An A&P certificate with both ratings in effect for at least 3 years

B. Employment at a Part 145 certified repair station

C. Completion of an aviation technician course within 5 years

D. A repair station certificate issued in the preceding 12 months

6. An aircraft has an empty weight of 1,820 pounds and empty moment of 138,320 in-lb. The empty CG is:

A. 74.5 inches

B. 75.0 inches

C. 76.0 inches

D. 76.0 inches (exact calculation result)

7. Under 14 CFR § 43.11(a), the inspection record entry for an airworthy annual inspection must state:

- A. The aircraft is approved for commercial passenger service
- B. The aircraft has been cleared by the manufacturer
- C. The aircraft has been inspected and determined airworthy
- D. The aircraft meets owner operational preferences

8. A mechanic is welding an aircraft control surface hinge bracket. The work is classified as:

- A. Preventive maintenance under § 43.3(g)
- B. Major repair requiring approved data and IA approval
- C. Minor repair within A&P mechanic authority
- D. Routine maintenance not requiring documentation

9. Under AC 43.13-1B Chapter 6, the form of corrosion that produces visible lifting or flaking of metal surface layers is:

- A. Exfoliation corrosion
- B. Filiform corrosion
- C. Pitting corrosion
- D. Galvanic corrosion

10. An IA is inspecting an aircraft's propeller and finds a 1.8-inch crack exceeding manufacturer dressing limits. The appropriate action is:

- A. Apply a protective coating to the damaged area
- B. Monitor the crack at next scheduled inspection
- C. Document the damage without immediate action

D. Replace the propeller blade before return to service

11. Under § 43.9(a)(2), the maintenance record entry must include:

A. The aircraft owner's authorization for the work

B. The date of completion of the work

C. The mechanic's hourly labor rate

D. The aircraft's current market value

12. The IA's Form 337 Block 7 signature represents:

A. A warranty of the installed equipment's performance

B. An appraisal of the aircraft's value increase

C. A guarantee of operational reliability

D. The IA's determination that work conforms to approved data

13. Under 14 CFR § 43.15(c), the aircraft engine must be run during an annual or 100-hour inspection at:

A. The end of the inspection for satisfactory performance

B. The beginning of the inspection for warming

C. The midpoint of the inspection for verification

D. The mechanic's discretion based on weather

14. Under 14 CFR § 91.207(d), the ELT inspection must be performed within the preceding:

A. 24 calendar months

B. 18 calendar months

- C. 12 calendar months
- D. 6 calendar months

15. A Special Flight Permit under § 21.197 may be issued for:

- A. Operating in commercial passenger service
- B. Flying an aircraft to a maintenance or repair facility
- C. Conducting demonstration flights for buyers
- D. Training student pilots in commercial operations

16. The IA performing a pre-inspection records review discovers the aircraft's altimeter system was last tested 26 calendar months ago. The aircraft will operate IFR. The disposition is:

- A. Require § 91.411 testing before IFR operation
- B. Continue the inspection and note the lapse afterward
- C. Approve the aircraft for VFR operation only
- D. Ignore the lapse if the instrument functions normally

17. Under 14 CFR § 91.213(d), an inoperative item may be deferred only if not required by:

- A. The aircraft owner's operating preferences
- B. The mechanic's professional recommendations
- C. The aircraft's insurance policy specifications
- D. The TCDS, regulations, ADs, or flight manual

18. A mechanic is installing a PMA replacement part on an aircraft. The PMA approval specifies a specific aircraft application. Installation on a different application is:

- A. Acceptable if mechanical specifications match
- B. Acceptable under alternate approval procedures
- C. Not authorized because PMA approval is application-specific
- D. Acceptable if installer has comparable experience

19. Under § 43.9(a)(3), the maintenance record entry must include the name of the person performing the work if different from:

- A. The aircraft owner at the time of the work
- B. The person approving the aircraft for return to service
- C. The mechanic's IA certificate holder of record
- D. The employee of the aircraft's original manufacturer

20. Under 14 CFR § 43.13(a), a mechanic performing maintenance must use methods, techniques, and practices:

- A. In the manual or acceptable to the Administrator
- B. Based on the mechanic's personal training
- C. Specified by the aircraft owner's preferences
- D. From the local FSDO's regional guidance

21. An IA is inspecting a flight control cable and finds broken strands at a pulley location. The disposition is:

- A. Replace the cable before return to service

- B. Apply cable lubricant to extend service life
- C. Note the condition and monitor progression
- D. Continue flight operations with monitoring

22. Under 14 CFR § 43.7(b), approval for return to service after a major repair on a Part 91 aircraft may be granted by:

- A. Any certificated mechanic with airframe rating
- B. A pilot holding commercial certificate privileges
- C. The holder of an Inspection Authorization
- D. The aircraft's insurance carrier representative

23. Under 14 CFR § 43.9(a)(4), the maintenance record entry must include:

- A. The aircraft owner's acceptance of the work
- B. The mechanic's hourly labor rate
- C. The aircraft's market value after completion
- D. The signature and certificate number of the approving person

24. Under AC 43.13-1B Chapter 4, the minimum edge distance for rivets in sheet metal repair is typically:

- A. One times the fastener diameter
- B. Two times the fastener diameter
- C. Three times the fastener diameter
- D. Five times the fastener diameter

25. The IA performing an annual inspection verifies all applicable airworthiness directives have been complied with. This extends to:

- A. All ADs on aircraft, engine, propeller, and appliances
- B. Only recent ADs issued in the preceding year
- C. Only terminating action ADs with permanent relief
- D. Only airframe-specific ADs for the aircraft type

26. Under 14 CFR § 91.203(b), the airworthiness certificate must be displayed:

- A. On the aircraft's exterior fuselage visible location
- B. In the pilot's personal logbook documentation
- C. In the aircraft owner's records system
- D. At the cabin or cockpit entrance legible to passengers

27. Under 14 CFR § 91.417(b)(1), records of ordinary maintenance must be retained until:

- A. The aircraft is sold to a new registered owner
- B. The next annual inspection is completed
- C. Superseded by other work or one year, whichever occurs first
- D. Five years from the work completion date

28. Under AC 43.13-1B Chapter 7, flight control cable tension must be measured at:

- A. Ambient temperature without adjustment
- B. Manufacturer-specified temperatures with tensiometer
- C. Any convenient temperature for efficiency

D. Operating temperature during actual flight

29. The FAA Form 337 must be submitted to the FAA Aircraft Registry within:

- A. 48 hours of the return-to-service signature
- B. 24 hours of the return-to-service signature
- C. 72 hours of the return-to-service signature
- D. 96 hours of the return-to-service signature

30. An IA has determined an aircraft unairworthy after an annual inspection. Under § 43.11(b), the IA must:

- A. Ground the aircraft at a specific airport location
- B. Notify the Aircraft Registry of the unairworthy finding
- C. File an enforcement action with the local FSDO
- D. Provide the owner with a dated and signed discrepancy list

31. Under 14 CFR § 65.95(a)(1), the IA may approve major repairs for return to service on aircraft NOT maintained under:

- A. A progressive inspection program under § 91.409(d)
- B. A 100-hour inspection program under § 91.409(b)
- C. An alternative inspection program approved by FAA
- D. A continuous airworthiness program under Part 121 or 127

32. An IA inspecting an aircraft's fuel system finds water in the tank sumps. The appropriate action is:

- A. Apply fuel additive to address the contamination

- B. Drain the water and continue sumping until water-free
- C. Document the condition for next inspection
- D. Note the finding in the pilot's operating handbook

33. Under 14 CFR § 91.409(a), an aircraft operated under Part 91 must have had an annual inspection within the preceding:

- A. 12 calendar months
- B. 18 calendar months
- C. 6 calendar months
- D. 24 calendar months

34. An aircraft's airworthiness certificate remains effective as long as maintenance is performed per Parts 43 and 91 and:

- A. The aircraft has flown a minimum of 50 hours annually
- B. The owner has renewed the certificate every 24 months
- C. The aircraft remains registered in the United States
- D. The aircraft has not been sold to a new owner

35. Under AC 43.13-1B Chapter 11, the primary function of bonding at an antenna installation is to:

- A. Reduce the aircraft's electrical power consumption
- B. Simplify the installation procedure for the antenna
- C. Prevent corrosion of the mounting hardware
- D. Ensure RF performance and lightning protection

36. An IA performing an annual inspection finds a TCDS-required placard missing. The condition represents:

- A. An acceptable cosmetic issue during the inspection
- B. A non-conformity to approved type design
- C. A minor discrepancy correctable at next maintenance
- D. An acceptable condition under § 91.213(d) deferral

37. Under 14 CFR § 91.207(c), an ELT battery must be replaced at the earlier of:

- A. 5 years from manufacturing date
- B. 50 percent of useful life or 1 cumulative hour of transmission
- C. 24 calendar months from installation
- D. 75 percent of useful life has expired

38. The IA's airworthiness determination is a two-part regulatory concept requiring:

- A. TCDS approval and owner acceptance
- B. Aircraft registration and insurance currency
- C. FSDO clearance and airworthiness certificate
- D. Type design conformity and condition for safe operation

39. Under 14 CFR § 65.93, a qualifying IA renewal activity is:

- A. Holding a current airman medical certificate
- B. Payment of an annual IA renewal fee
- C. Performing inspections of major repairs or alterations

D. Completing recurrent pilot flight training

40. A Supplemental Type Certificate's Approved Model List specifies:

- A. Applicable aircraft by make, model, and serial number
- B. The warranty coverage period for the modification
- C. The dealer network authorized to sell the STC
- D. The pricing structure for STC licensing fees

41. Under § 43.5(b), the aircraft's weight and balance record must be revised after:

- A. Every routine oil change regardless of impact
- B. Any maintenance requiring Form 337 submission
- C. Maintenance that may appreciably change weight or balance
- D. Major alterations under field approval only

42. The FAA-CT-8080-8D Computer Testing Supplement provides the IA Knowledge Test applicant with:

- A. Reference materials for regulations, ADs, and TCDS questions
- B. A complete database of all current FAA regulations
- C. A directory of Inspection Authorization holders
- D. Contact information for FAA officials

43. The IA's records review verifies currency of which required periodic inspections?

- A. The aircraft owner's commercial pilot rating status
- B. The aircraft's monthly operational flight time records

- C. The aircraft owner's annual insurance policy renewal
- D. The altimeter, transponder, and ELT inspections

44. Under § 65.95(b), when the Inspection Authorization expires, the holder must:

- A. Retain the certificate as a personal record
- B. Return FAA Form 8310-5 to the Administrator
- C. Submit the certificate to the Aircraft Registry
- D. File the certificate with the local FSDO

45. An IA inspecting a landing gear strut finds evidence of internal corrosion reducing structural integrity. The condition affects:

- A. The aircraft's condition for safe operation
- B. The aircraft's certificate of registration validity
- C. The pilot's medical certification status
- D. The aircraft's commercial operator certificate

46. Under Part 43 Appendix A paragraph (b), which work is classified as a major repair?

- A. Replacement of a tire and tube assembly
- B. Adjustment of a cabin door latch mechanism
- C. Weld repair of an engine mount attachment
- D. Installation of an approved replacement filter

47. A Special Flight Permit under § 21.197 is issued by:

- A. The aircraft's insurance carrier as a safety measure
- B. The aircraft's manufacturer service division
- C. The local Aviation Safety Inspector without FSDO involvement
- D. The FAA through the local Flight Standards District Office

48. An IA is approving a major alteration under an STC. The STC data package is at Revision C, but the installation was completed under Revision B. The IA's action is:

- A. Accept the installation as completed under Revision B
- B. Verify whether Revision C affects the existing installation
- C. Require immediate upgrade to Revision C
- D. File a new Form 337 referencing Revision C

49. The FAA Dynamic Regulatory System provides the IA with:

- A. Submission of Form 337 documentation electronically
- B. Registration of aircraft with the Aircraft Registry
- C. Research of airworthiness directives applicable to aircraft
- D. Issuance of special flight permits for ferry operations

50. A Form 337 for a field-approved alteration must contain which signature in Block 3?

- A. The IA's return-to-service approval signature
- B. The performing mechanic's conformity statement
- C. The FAA Aviation Safety Inspector's field approval
- D. The aircraft owner's acceptance signature

PRACTICE EXAM 22: ANSWER KEY AND EXPLANATIONS

1. C — Inadequate without specific STC identification details. AC 43.9-1E requires Block 8 to describe the work with sufficient specificity that a future mechanic can verify conformity. "Avionics installation per STC" lacks the STC number, revision, and installation details — it is inadequate and likely to be rejected.
2. A — Part 43 Appendix A, paragraph (c). Section 43.3(g) authorizes pilot-owner preventive maintenance limited to items in Part 43 Appendix A paragraph (c). Paragraph (a) addresses major alterations, paragraph (b) addresses major repairs; Appendix B addresses records; Appendix D is the inspection scope.
3. D — 3,000 hours. The next compliance is calculated by adding the recurring interval to the last compliance time: $2,875 + 125 = 3,000$ hours. Simple addition of the recurring interval produces the next-due time for any recurring AD.
4. B — The aircraft's serial number within the Approved Model List. The IA's STC applicability verification confirms that the specific aircraft's make, model, and serial number fall within the STC's Approved Model List. Owner training, installer certification, and business licensing are not regulatory verification elements.
5. A — An A&P certificate with both ratings in effect for at least 3 years. Section 65.91(c)(1) requires the applicant to hold an A&P certificate with both airframe and powerplant ratings in effect for at least three years. Part 145 employment, course completion, and repair station certificates are not the specific regulatory requirement.
6. D — 76.0 inches. Empty CG is calculated as empty moment divided by empty weight: $138,320 \div 1,820 = 76.00$ inches. This basic computation produces the empty CG for the weight and balance record.
7. C — The aircraft has been inspected and determined airworthy. Section 43.11(a) requires the annual inspection entry to certify the aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Commercial authorization, manufacturer clearance, and owner preferences are not the required certification language.
8. B — Major repair requiring approved data and IA approval. Weld repair of a control surface hinge bracket is specifically listed as a major repair under Part 43 Appendix A paragraph (b). Major repairs require approved data, Form 337 documentation, and IA approval for return to service.

9. A — Exfoliation corrosion. AC 43.13-1B Chapter 6 describes exfoliation corrosion as producing visible lifting or flaking of surface layers. It is a form of intergranular corrosion manifesting with distinctive layered, flaking appearance — distinguishing it from filiform, pitting, and galvanic corrosion.
10. D — Replace the propeller blade before return to service. A 1.8-inch crack exceeding manufacturer dressing limits is an unairworthy structural defect. The propeller must be repaired or replaced before return to service; protective coatings, monitoring, and documentation are not appropriate responses to cracks exceeding limits.
11. B — The date of completion of the work. Section 43.9(a)(2) specifically requires the entry to include the date of completion of the work. Owner authorization, labor rates, and market values are not regulatory requirements.
12. D — The IA's determination that work conforms to approved data. The IA's Form 337 Block 7 signature represents the regulatory determination that the work was accomplished per approved data. It is not a warranty, market appraisal, or reliability guarantee.
13. A — The end of the inspection for satisfactory performance. Section 43.15(c) specifically requires the engine to be run at the end of the inspection to determine satisfactory performance per manufacturer recommendations. Other timing does not satisfy the regulation.
14. C — 12 calendar months. Section 91.207(d) requires ELT inspection within 12 calendar months. The inspection covers installation, battery condition, operation of controls, and signal transmission verification.
15. B — Flying an aircraft to a maintenance or repair facility. Section 21.197(a)(1) specifically identifies flying to a maintenance or repair base as a permitted purpose for a special flight permit. Commercial passenger service, demonstration flights, and student training are not permitted purposes.
16. A — Require § 91.411 testing before IFR operation. Section 91.411 requires altimeter system testing within the preceding 24 calendar months for IFR operation. A 26-month lapse exceeds this requirement; the aircraft is not eligible for IFR operation until testing is complete.
17. D — The TCDS, regulations, ADs, or flight manual. Section 91.213(d) specifies the regulatory criteria: the inoperative item must not be required by the TCDS, applicable regulations, an AD, or the flight manual. Owner preferences, mechanic recommendations, and insurance specifications are not the criteria.
18. C — Not authorized because PMA approval is application-specific. PMA approval is specific to the aircraft, engine, propeller, or appliance on which the part is eligible for installation. A PMA part approved for one application is not authorized for a different application, regardless of mechanical similarity or installer experience.

19. B — The person approving the aircraft for return to service. Section 43.9(a)(3) requires the maintenance record to include the performer's name when different from the approving person. This creates the documentation link between performer and approver when they are different individuals.
20. A — In the manual or acceptable to the Administrator. Section 43.13(a) requires the use of methods prescribed in the current manufacturer's manual or Instructions for Continued Airworthiness, or other methods acceptable to the Administrator. Personal experience, owner preferences, and FSDO regional guidance are not accurate regulatory summaries.
21. A — Replace the cable before return to service. AC 43.13-1B Chapter 7 establishes that broken strands at pulleys — where cables undergo cyclic flexing — are particularly consequential. A cable with broken strands at a pulley location is an unairworthy condition requiring replacement before return to service.
22. C — The holder of an Inspection Authorization. Section 43.7(b) establishes that approval for return to service after major repairs on Part 91 aircraft is exclusive to the IA. A&P mechanics without IA privileges, pilots, and insurance representatives cannot approve major repairs.
23. D — The signature and certificate number of the approving person. Section 43.9(a)(4) specifically requires the entry to include the signature and certificate number of the person approving the aircraft for return to service. Owner acceptance, labor rates, and market values are not regulatory requirements.
24. B — Two times the fastener diameter. AC 43.13-1B Chapter 4 establishes the typical minimum edge distance as 2D (two fastener diameters), measured from the center of the fastener to the nearest edge. This prevents edge tearing and preserves the structural integrity of the repair.
25. A — All ADs on aircraft, engine, propeller, and appliances. Section 43.15 requires the IA to determine that all applicable ADs have been complied with, extending to the airframe, engine, propeller, and installed appliances. This is not limited to recent issuance, terminating-action, or airframe-specific ADs.
26. D — At the cabin or cockpit entrance legible to passengers. Section 91.203(b) specifies the airworthiness certificate display location — at the cabin or cockpit entrance legible to passengers or crew. Exterior fuselage, logbooks, and owner records are not the regulatory display positions.
27. C — Superseded by other work or one year, whichever occurs first. Section 91.417(b)(1) establishes that ordinary maintenance records must be retained until the work is repeated or superseded by other work, or for one year, whichever occurs first. Sales, annual inspection completion, and five-year retention are not the default standards.
28. B — Manufacturer-specified temperatures with tensiometer. AC 43.13-1B Chapter 7 requires flight control cable tension to be measured at manufacturer-specified temperatures using a

tensiometer. Ambient conditions, any convenient temperature, and flight operating temperature are not the regulatory measurement standards.

29. A — 48 hours of the return-to-service signature. Part 43 Appendix B requires Form 337 to be forwarded to the FAA Aircraft Registry within 48 hours after the aircraft is approved for return to service. This is the specific regulatory timing requirement.
30. D — Provide the owner with a dated and signed discrepancy list. Section 43.11(b) specifically requires the IA to provide the owner with a dated and signed list of discrepancies and unairworthy items. Grounding, Registry notification, and enforcement reporting are not the regulatory requirements.
31. D — A continuous airworthiness program under Part 121 or 127. Section 65.95(a)(1) specifically prohibits IA approval for aircraft maintained under continuous airworthiness programs under Part 121 or 127. Progressive inspections, 100-hour inspections, and alternative inspection programs are within IA scope for Part 91 aircraft.
32. B — Drain the water and continue sumping until water-free. Water contamination in fuel tank sumps is addressed by draining the water and continuing to sump until fuel is water-free. Additives, documentation, and POH notation are not substitutes for removing water from the fuel system.
33. A — 12 calendar months. Section 91.409(a) requires annual inspection within the preceding 12 calendar months for Part 91 operation. This is the specific regulatory interval for annual inspection currency.
34. C — The aircraft remains registered in the United States. Section 21.181 establishes that a standard airworthiness certificate remains effective as long as maintenance is performed per Parts 43 and 91 and the aircraft is registered in the United States. Flight hours, periodic renewal, and ownership transfers do not affect certificate validity directly.
35. D — Ensure RF performance and lightning protection. AC 43.13-1B Chapter 11 establishes that bonding at antenna installations is critical for RF performance (the airframe acts as counterpoise) and for lightning protection. Power consumption, simplified installation, and hardware corrosion are not the primary bonding functions.
36. B — A non-conformity to approved type design. A TCDS-required placard is part of the approved type design. Its absence constitutes a non-conformity to type design, which is the first element of the two-part airworthiness definition and renders the aircraft unairworthy until corrected.
37. B — 50 percent of useful life or 1 cumulative hour of transmission. Section 91.207(c) requires ELT battery replacement at the earlier of 50 percent of useful life or 1 cumulative hour of transmission. Manufacturing date, installation date, and 75-percent thresholds are not the regulatory criteria.

38. D — Type design conformity and condition for safe operation. The airworthiness determination has two elements: (1) conformity to approved type design and (2) condition for safe operation. Both elements must be affirmatively met. TCDS approval with owner acceptance, registration/insurance, and FSDO clearance are not the regulatory airworthiness criteria.
39. C — Performing inspections of major repairs or alterations. Section 65.93 lists five alternative renewal activities, including performing inspections of major repairs or alterations. Medical certificates, renewal fees, and flight training are not IA renewal activities.
40. A — Applicable aircraft by make, model, and serial number. The Approved Model List identifies applicable aircraft by make, model, and often serial number range. Warranty coverage, dealer networks, and pricing are commercial matters, not AML regulatory content.
41. C — Maintenance that may appreciably change weight or balance. Section 43.5(b) requires weight and balance revision when maintenance may appreciably change weight or balance. Routine oil changes not affecting weight, Form 337 submissions alone, and field-approval-only situations are not the complete regulatory standard.
42. A — Reference materials for regulations, ADs, and TCDS questions. FAA-CT-8080-8D contains curated regulatory excerpts, sample ADs, and TCDS references used as reference material during the IA Knowledge Test. Complete regulation databases, IA directories, and FAA contact information are not included.
43. D — The altimeter, transponder, and ELT inspections. The IA's records review verifies currency of altimeter (§ 91.411), transponder (§ 91.413), and ELT (§ 91.207(d)) inspections. Pilot ratings, operational time, and owner insurance are not part of the regulatory records review.
44. B — Return FAA Form 8310-5 to the Administrator. Section 65.95(b) requires the holder to return FAA Form 8310-5 to the Administrator when the authorization expires, is surrendered, suspended, or revoked. Personal retention, Registry submission, and FSDO filing are not the regulatory alternatives.
45. A — The aircraft's condition for safe operation. Internal corrosion reducing structural integrity of a landing gear strut affects the aircraft's condition for safe operation — the second element of the two-part airworthiness definition. Registration validity, pilot certification, and operator certificate status are not affected by the specific condition.
46. C — Weld repair of an engine mount attachment. Part 43 Appendix A paragraph (b) specifically lists weld repair of engine mount attachments as a major repair. Tire replacement, door latch adjustment, and filter installation are routine or preventive maintenance, not major repairs.
47. D — The FAA through the local Flight Standards District Office. Section 21.197 authority resides with the FAA, exercised through the local Flight Standards District Office. Insurance carriers, manufacturer service divisions, and ASIs acting without FSDO involvement are not the regulatory authority for special flight permit issuance.

48. B — Verify whether Revision C affects the existing installation. An STC revision may or may not affect a previously completed installation depending on whether the revision changes the AML, installation requirements, or flight manual supplement. The IA's action is to verify what the revision changed before deciding on disposition.
49. C — Research of airworthiness directives applicable to aircraft. The FAA Dynamic Regulatory System (DRS) is the FAA's online portal for researching current and historical airworthiness directives. Form 337 submission, aircraft registration, and special flight permit issuance are separate processes.
50. C — The FAA Aviation Safety Inspector's field approval. Block 3 of Form 337 is reserved for FAA use and contains the Aviation Safety Inspector's signature granting a field approval for the specific alteration. The IA signature goes in Block 7; performing mechanic's conformity in Block 6; owner acceptance is not a Form 337 element.