

Cape Cod Community College AMTS

Practical Project Guide for AMT 117 General Curriculum, Subject Item 28

Part 147, Appendix B, Subject 1 Maintenance Forms and Records

Item 28. Write descriptions of work performed including aircraft discrepancies and corrective actions using typical maintenance records (Level 3)

Project 1A & 1B

Purpose: Teach students how to make maintenance record entries for both discrepancies and corrective actions, and what reference materials are used to do so.

References:

- (1) FAR Part 43
- (2) Cessna 402C Maintenance manual
- (3) Piper PA 24-250 Maintenance manual

Equipment and Tools Needed:

- (1) College computer work station
- (2) Access to faa.gov and ecf.gov
- (3) Cessna 402C aircraft and maintenance logbook
- (4) Piper PA 24-250 aircraft and maintenance logbook

Supplies and Materials Needed:

- (1) N/A

Procedure:

Complete following procedure on project 1A or 1B

- (1) Using the maintenance logbook:
 - a. Complete the corrective action section(s)
 - b. List the FAR Part and section that describes the procedure.
 - c. List items that are required by regulation to be included in the corrective action.
- (2) Perform an annual inspection in accordance with FAR Part 43 (Do not remove any access panels or apply power to the aircraft)
 - a. Prepare a list of discrepancies for the owner

- b. Describe what circumstances determine if the aircraft needs an annual or 100-hour inspection and list the FAR Part and section where this is found.

Project 1A Item 28. Write descriptions of work performed including aircraft discrepancies and corrective actions using typical maintenance records (Level 3)

References:

- (1) FAR Part 43
- (2) Cessna 402C Maintenance manual

Project 1B Item 28. Write descriptions of work performed including aircraft discrepancies and corrective actions using typical maintenance records (Level 3)

References:

- (1) FAR Part 43
- (2) Piper PA 24-250 Maintenance manual

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Practical Project Guide for AMT 117 General Curriculum, Subject Item 29

Part 147, Appendix B, Subject 1 Maintenance Forms and Records

Item 29. Complete required maintenance forms, records and inspection reports (Level 3)

Project 2

Purpose: Teach students when and how to complete the FAA form 337

References:

- (1) FAR Part 43
- (2) AC 43.9-1F

Equipment and Tools Needed:

- (1) College computer work station
- (2) Access to www.faa.gov and www.ecfr.gov

Procedure:

Complete following procedure on project 2

Project 2 Item 29. Complete required maintenance forms, records and inspection reports (Level 3)

- (1) Provide the following information on the given data sheet:
 - a. What FAR Part and section lists major alterations and major repairs
 - b. What FAA publication provides instructions for completing Federal Aviation Administration (FAA) Form 337, Major Repair and Alteration (Airframe, Powerplant, Propeller, or Appliance)
- (2) Using the Cessna 402C or Piper PA 24-250, perform an annual inspection in accordance with FAR Part 43 (Do not remove any access panels or apply power to the aircraft)
 - a. Prepare a list of discrepancies for the owner
 - b. Describe what circumstances determine if the aircraft needs an annual or 100-hour inspection and list the FAR Part and section where this is found.

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