

Cape Cod Community College AMTS

Curriculum Subject Guide for AMT 117 General Curriculum, Subject Items 28 and 29

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

Subject: Maintenance Forms and Records

Item 28. Write descriptions of work performed including aircraft discrepancies and corrective actions using typical maintenance records (Level 3) *T – 1.75 Hrs / L – 3.0 Hrs*

Item 29. Complete required maintenance forms, records and inspection reports (Level 3) *T – 6.0 Hrs / L – 1.5 Hrs*

Classroom time: 7.75 hours

Lab or shop time: 4.5 hours

Test time: 0.75 hours

Total Time: 13 hours

Teaching Level 3

Project 1A & 1B
Item 28 – 3 Hrs

Theory Test 1
0.25 Hrs

Project 2
Item 29 – 1.5 Hrs
Prerequisite(s)

Practical Test 1
0.5 Hrs

(1) None

Course Interruptions: All interruptions or changes in course sequence will be in accordance with the Order of Instruction policy, located in Cape Cod Community College's Operations Manual, page 17.

Item 28:

Student Performance Goal(s)

Given: 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – General, Volume 1 (FAA-H-8083-30), Chapter 12, Cessna Aircraft Corporation, Model 402C Maintenance Manual

Performance: Conduct a general airworthiness inspection of the Cessna 402C. Document discrepancies using the Cape Air Airframe inspection report.

Standard: Inspection report will be clear, concise, and of sufficient detail to reflect the status of the airplane at the time of inspection.

Given: 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – General, Volume 1 (FAA-H-8083-30), Chapter 12, Cessna Aircraft Corporation, Model 402C Maintenance Manual, and AC 43-13.1a.

Performance: Make entries in to the Cessna 402C maintenance records describing work that has been accomplished.

Standard: Written entries will be legible, concise, and use appropriate nomenclature and terminology, in accordance with applicable Federal Aviation Regulations.

Item 29:

Student Performance Goal(s)

Given: 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – General, Volume 1 (FAA-H-8083-30), Chapter 12, AC 43-13.13-1, FAR’s part 91, and 43 and a list of five typical maintenance tasks. Cape Air C402 Maintenance records.

Performance: Using appropriate references, define “Time in service” and explain the application of the term with respect to maintenance records. Make three entries in the maintenance records.

Standard: Entries will comply with requirements listed in FAR 43 and AC 43.9-1A

Given: Piper PA 24-250 annual/100-hour inspection guide, and summary of airworthiness directives, and service manual.

Performance: Make simulated entries on the inspection form and aircraft logbook to describe the inspection results and compliance with Airworthiness Directives.

Standard: Simulated entries must comply with Federal Aviation Regulations.

Given: Piper PA 24-250 Aircraft records file, including Registration, airworthiness certificate, and operations limitations manual, placards, Radio Station License, weight

and balance records, airframe and powerplant logbooks, and access to Federal Aviation Regulations.

Performance: Examine all files and records and make a determination if the aircraft complies with applicable Federal Aviation Regulations.

Standard: Correct determination without error.

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