

Cape Cod Community College AMTS

Curriculum Subject Guide for AMT 121 General Curriculum, Subject Items 31 and 32

Part 147, Appendix B, Subject K – Maintenance Publications

Subject: Maintenance Publications

Item 31. Demonstrate the ability to read, comprehend, and apply information contained in FAA and manufacturers aircraft maintenance specifications, data sheets, manuals, publications, and related Federal Aviation Regulations, Airworthiness Directives, and Advisory Material (Level 3) *T – 6.5 Hrs / L – 7.5 Hrs*

Item 32. Read Technical data (Level 3)

T – 3.25 Hrs / L – 3.5 Hrs

Classroom time: 9.75 hours

Lab or shop time: 11 hours

Test time: 1.25 hours

Total Time: 22 hours

Teaching Level 3

Project 1

Item 31 – 3 Hrs

Project 2

Item 32 – 3.5 Hrs

Project 3

Item 31 – 4.5 Hrs

Theory Test

0.25 Hrs

Practical Test 1

1.0 Hrs

Prerequisite(s)

(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 31:

Student Performance Goal(s)

Given: Given access to faa.gov aircraft index,

Performance: When provided manufacturer name, model and serial number of five airplanes.

Standard: Locate the specification sheets promptly without error

Given: Aircraft Specifications and service manuals for Cessna 402C Business liner and PA 24-250 Comanche

Performance: Locate and interpret information pertaining to Useful load, CG Range, Approved equipment, Control surface movement limits/requirements

Standard: Locate and interpret information without error.

Given: Cessna 402C TCDS, Maintenance manual and WD-PP1 Protractor

Performance: Compare the control surface travel specified actual travel after measurement to determine if actual travel is acceptable with TCDS and maintenance manual.

Standard: Interpretation of data without error, and measurement of actual travel within plus or minus one degree.

Given: Sample copy of Cessna 402C Business liner, access to FAR's

Performance: Explain the purpose of the airworthiness certificate, explain the duration and requirements for keeping the certificate in effect.

Standard: Use correct references and interpret regulations without error.

Given: Computer access to FAA database of Technical Service Orders (TSO)

Performance: Access one TSO and present its purpose, applicability and purpose as described in the TSO

Standard: TSO information 100% accurate.

Given: Given listings of Airworthiness Directives (AD) and Supplemental Type Certificates (STC) for the PA 24-250

Performance: Prepare a list of AD's and STC's applicable to the PA 24-250 SN# 24-

3673 Standard: Listing without errors

Student Performance Goal(s)

Given: Access to reference manuals and data for the PA 24-250

Performance: Interpret and apply information as a method of solving two maintenance problems presented by the instructor.

Standard: Proper manuals and documents located within a reasonable period of time and interpretation of data without error.

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