

Cape Cod Community College AMTS

Curriculum Subject Guide for AMT 205 Airframe Curriculum, Subject Items 6 - 9

Part 147, Appendix C, Part 1, Subject C – Aircraft Finishes

Subject: Aircraft Finishes

Item 6. Apply trim, letters, and touchup paint (Level 1)

T – 1.5 Hrs / L – 0.0 Hrs

Item 7. Identify and select aircraft finishing materials (Level 2)

T – 1.5 Hrs / L – 1.0 Hrs

Item 8. Apply finishing materials (Level 2)

T – 2.75 Hrs / L – 18 Hrs

Item 9. Inspect finishes and identify defects (Level 2)

T – 1.0 Hrs / L – 2.0 Hrs

Classroom time: 6.75 hours

Lab or shop time: 21 hours

Test time: 2.25 hours

Total Time: 30 hours

Teaching Level 1 and 2

Project 1

Item 7 – 1 Hrs

Theory Test 1

0.25 Hrs

Project 2

Item 8 – 18 Hrs

Item 9 – 2 Hrs

Practical Test 1

2.0 Hrs

Prerequisite(s)

(1) Satisfactory completion of General Curriculum Module

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 6:

Student Performance Goal(s)

Given: 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – Airframe, Volume 1 (FAA-H-8083-31), Chapter 8. Appropriate Federal Air Regulations, and graph paper.

Performance: Using Federal Air Regulations, Part 45 as a reference, the student will locate that information which establishes the location, size and display of air-craft registration markings on Civil Aircraft of United States Registry. On grid or graph paper, the student will draw the letters and numbers used as registration marks, and describe the application of trim and methods of touching up paint.

Standard: The student will maintain the correct height, width, stroke and spacing. Description will comply with information provided. The student will identify and understand the Aircraft Finishes lesson and score a passing grade on course quiz.

Item 7:

Student Performance Goal(s)

Given: 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – Airframe, Volume 1 (FAA-H-8083-31), Chapter 8. Labeled samples of lacquer, zinc chromate primer and enamel, and appropriate thinners.

Performance: The student will examine the labeling and physical characteristics of each sample and select the thinner which would be used with each of the sample materials. The student will be able to distinguish between lacquer and enamel by physical examination of the material.

Standard: Select an acceptable thinner for each of five finishing materials. Correctly distinguish between lacquer and enamel. The student will identify and understand the Aircraft Finishes lesson and score a passing grade on course quiz and practical test.

Item 8:

Student Performance Goal(s)

Given: 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – Airframe, Volume 1 (FAA-H-8083-31), Chapter 8. Written procedures, Sim Spray paint simulator, assorted primers and paints, spray painting equipment, facilities, and aluminum aircraft structures.

Performance: The student will establish proficiency utilizing paint simulator before preparing an aluminum surfaces for painting and apply primers and paints by spraying.

Standard: The preparation of the surface and spray application of finish must be of return-toflight service quality. The student will identify and understand the Aircraft Finishes lesson and score a passing grade on course quiz and practical test.

Item 9:

Student Performance Goal(s)

Given: 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – Airframe, Volume 1 (FAA-H-8083-31), Chapter 8. AC 43.13-1 or equivalent information, random sample aircraft parts in which the finishes contain defects that are usually associated with spray painting.

Performance: The student will inspect and identify the kind of material that originally applied as a finish. They student will describe which finishing materials may be applied over the original finish. The student will recognize defects in the finishes of the sample parts.

Standard: Recognize 70% of the original finishes, and all defects, and correctly identify the finishing materials that may be used over an original finish. The student will identify and understand the Aircraft Finishes lesson and score a passing grade on course quiz and practical test.

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