



Facility and Mobile Equipment Maintenance Pathway: **Air Mode**

Problem-based Scenario Outline

School Site: Great Oaks Career and Technical Institute– Laurel Oaks Campus
Cincinnati, Ohio

Pathway Knowledge and Skill(s):

P04.1 Develop and manage maintenance plans and systems

P04.3 Maintain the compliance of maintenance operations with company policies and government laws and regulations

Performance Element(s):

- Use current information on using c-cards and the determination from routine and non-routine

Title: Airborne Express Maintenance

Completion Time: 4 weeks

Problem Statement: You work for Airborne Express in maintenance operations. You are to review selected C-cards and analyze the non-routine tasks and determine what cards can be converted to the routine job cards.

- The AMT mechanic uses C-cards to perform an inspection or task on the aircraft.
- The AMT mechanic signs off on the card after the task has been completed.
- The AMT mechanic will also make recommendations on a changing a non-routine to a routine card.

Airborne would like to see if the students can come up with the plan to convert routine cards to non-routine cards. The plan is due in 4 weeks

Business/Industry/Government Partner(s): Airborne Express

Students:

Performance Elements (Required and Additional):

- Determine Airborne's needs and requirements
- Identify and analyze the c-cards for each component and find a solution to the logistics problem.
- Develop a written plan
- Present plan to business

Student Products, Processes and Assessment Criteria (including Written Report and Presentation): *Note. These should address the performance elements.*

Product:

C-card Plan:

- Identify c-cards, routine and non-routine discrepancies
- Determine the best way to analyze the cards

Process:

- Students will use the proper methods in identifying recurring discrepancies to determine if they should be included on routine inspection cards.
- Students will complete the project in the required time.

Required Materials and Resources:

- Computers
- Word processing and presentation software

In performing this scenario, students will be given access to:

- Maintenance manuals
- Inspection manuals
- Routine and non-routine discrepancies
- Computer and Internet Web Access
- Computer and Word-Processing/Presentation Software

Suggested Assessment Approaches: Student problems/exercises
