

EMPLOYMENT OF AVIATION ORGANIC  
TO COMBAT AND SUPPORT ELEMENTS

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**ADVANCE SHEET**



APRIL 1966

UNITED STATES ARMY AVIATION SCHOOL  
FORT RUCKER, ALABAMA

DEPARTMENT OF TACTICS  
UNITED STATES ARMY AVIATION SCHOOL  
Fort Rucker, Alabama

File No. 571-4

PERFORMANCE OBJECTIVES

EMPLOYMENT OF AVIATION ORGANIC TO COMBAT AND SUPPORT ELEMENTS

1. KNOWLEDGES:

- a. When given a list of support capabilities for all aviation units in the ROAD Division, the student will be able to select four support capabilities of the brigade aviation section.
- b. When given a list of 10 additional duties in which aviators might perform within the aviation elements organic to combat and support elements, the student will be able to select five which are applicable to the brigade and artillery aviation sections.
- c. Without the use of reference materials, the student will be able to list four of the eight support capabilities of the air cavalry troop, armored cavalry squadron.
- d. The student will, without the use of reference materials, be able to list the two units responsible for performing organizational and direct support maintenance on the aircraft of the air cavalry troop.
- e. When given the definitions of the four command and control relationships, the student will be able to match the correct command and control relationships with the definition.
- f. When given four methods of utilization of the aerorifle platoon, the student will be able to select the best method of utilization.
- g. When given four divisional aviation units, the student will select the unit responsible for providing limited general support to units having organic aircraft.
- h. When given the mission to provide direct support maintenance to all aviation units in a division, the student will be able to select the unit specifically organized for this task.
- i. Given an extract of TOE 6-300E, the student will be able to identify the correct title of the officer who commands the artillery aviation section.
- j. When given the air cavalry troop to employ, the student will be able to name the three teams the troop organizes into to operate efficiently.
- k. Without the use of reference materials, the student will be able to list the organization, the number and type of aircraft assigned, and the weapons subsystem available for the brigade and artillery sections, and the Air Cavalry Troop as stated in TOE 6-302E, 7-42E, and 17-108E.

1. When given four title positions of key personnel in an aviation unit, the student will select the only person who can authorize transfer of organizational parts from one aircraft to another.
- m. When given control over a supporting unit, the student will be able to delegate the proper degree of control over the supporting unit to subordinate units.
- n. When given the four principles of aviation employment, the student will be able to select the correct one which determines the command and control relationship that is best suited for a particular mission.

2. SKILLS:
  - a. The student, given a tactical situation, will select the most desirable one of the three command control relationships to be established between supporting and supported units.
  - b. The student, given a map and a tactical situation, will be able to select two landing areas which best support the situation.
  - c. The student, given a tactical situation, will be able to select one of the three types of reconnaissance which would best enable the air cavalry troop to accomplish its mission.
  - d. The student, given a technical manual on "Organizational Maintenance Repair Parts and Special Tool Lists" (-20P), will be able to establish a prescribed load list (PLL) and determine the authorized stockage at organizational level for at least three items.

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PURPOSE: This map exercise is designed to emphasize and clarify the principles of tactical employment of aviation organic to combat and support elements in a ROAD Division. It summarizes the information presented so far during the course and introduces new material in the application of your previous training. The presentation of instruction is portrayed as a map exercise, and consists of eight requirements.

DISCUSSION POINTS:

1. The aviators in the aviation units organic to combat and support elements can expect to have several duties in addition to their primary duties.
2. The brigade aviation section commander has the additional duty as the brigade aviation officer on the brigade special staff, while the division artillery aviation officer, a member of the division artillery special staff, has the additional duty of division artillery aviation section commander.
3. Repair parts stocked at unit level should be only those which are frequently used and would cause an excessive loss of time on the aircraft or vehicle if the parts were not immediately available. The criterion for stocking a repair part is "... three demands within a twelve-month period...."
4. The -20P manual for each type aircraft lists parts for stockage at unit level, and gives instruction on determining stockage levels.
5. Aircraft parts cannibalization is not authorized except as outlined in AR 750-1500-8. The commanding officer of a unit to which aircraft are assigned can authorize the transfer of parts from one aircraft for another.
6. Aviation POL requirements must be forecast in advance. It is usually done on a quarterly basis.
7. TB AVN 2 prescribes the primary and alternate fuels and lubricants for each type aircraft. It also prescribes the requirements for storage and handling of aviation POL. Commanders may prescribe additional requirements in the interest of safety.
8. There are three types of command and control relationships in the employment of aviation elements in support of tactical operations. They are ATTACHMENT, SUPPORT (general and direct), and OPERATIONAL CONTROL.
9. The primary considerations in determining the method of employment of aviation units should always be the degree of control necessary to accomplish the mission and the accompanying logistical burdens. The ability of the controlling unit to furnish the required logistical and administrative support, may impose a need to qualify the method of employment selected. Unit SOP may prescribe variations to the three methods of employment.

10. The logistical, administrative, and control problems created by separating elements of the aviation unit from the parent unit should always be considered when determining the method of employment.

11. The best method of selecting an airfield or heliport is to -

- a. Make a map and aerial photograph reconnaissance.
- b. Make an aerial reconnaissance of the areas.
- c. Make a final selection after completing the ground reconnaissance.

12. Primary considerations to be used when selecting an airfield or heliport are the type of employment and the mission, proximity to the supported unit, size, surface, approaches, prevailing weather, road net, camouflage, and local and area security.

13. Emergency lighting sets may be used to allow 24-hour operations. Night operations require larger landing areas and approaches, free of obstacles.

14. Improvement of the airfield/heliport should be a continuous process.

15. The air cavalry troop has a number of capabilities in addition to its mission. The most important include -

- a. Conduct screening missions.
- b. Act as part of a covering force.
- c. Perform rear area security.
- d. Provide security between ground tactical elements.
- e. Provide armed air escort for airmobile operations.

16. The major subordinate elements of the air cavalry troop are the aeroscout platoon, aerorifle platoon, and aeroweapons section.

- a. The aeroscout platoon is the basic reconnaissance element of the troop.
- b. The aerorifle platoon is the maneuver element of the troop.
- c. The aeroweapons section provides close-area fire support for the troop and armored cavalry squadron.

17. The air cavalry troop is capable of conducting three types of reconnaissance.

- a. Area reconnaissance.
- b. Route reconnaissance.
- c. Zone reconnaissance.

18. Aircraft direct support maintenance is organic at division level. It is provided by the transportation aircraft maintenance company organic to the maintenance battalion.
19. The transportation aircraft maintenance company is normally located at the division instrumented airfield.
20. In aviation units, aircraft maintenance scheduling must be closely coordinated with operational requirements.

**STUDY ASSIGNMENT:**

1. Read Advance Sheet.
2. Scan Common Subjects and Reference Data, pages 16-37, 72-116.
3. Bring to class this Advance Sheet and Common Subjects and Reference Data book.

attachment is some temporary  
 the group assigned to take over all action  
 except promotion.

support direct  
 one unit with a command  
 general support.

Operational Control

Support Units

"attachment"  
 "operational control" Degree of control involved  
 attachment not responsible

armored CAV SQDN.

9 OH

12 6H-1B 22

5 OH-1D

26

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STUDENT OUTLINE

EMPLOYMENT OF AVIATION ORGANIC TO COMBAT AND SUPPORT ELEMENTS

For outline, use Sections I through IX, "Student Requirement and Solution Sheets."

Battalion aviation officer  
Division artillery aviation officer major advisor to the  
Division commander.  
(Elements of a combat team)  
Reconnaissance, maneuver, & fire power element  
(Organized militia service platoon)  
Reconnaissance & security  
Direct support aviation.

## NOTES

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## PERFORMANCE CHECK

## EMPLOYMENT OF AVIATION ORGANIC TO COMBAT AND SUPPORT ELEMENTS

1. What are the four primary support capabilities of the brigade aviation section in addition to its stated mission?
  
2. Name five additional duties that an aviator might be required to perform in other than his primary duty of piloting an aircraft.
  
3. What are four support capabilities of the air cavalry troop?
  
4. Who is responsible for direct support aircraft maintenance in the ROAD Division?

5. Which command control relationship provides maximum control to the supported unit?
6. Which command control relationship provides maximum control but minimum logistical responsibility?
7. Which command control relationship provides minimum control to the supported unit?
8. What are the three types of reconnaissance missions the air cavalry troop is capable of performing?
9. What are the five subordinate elements of the air cavalry troop?

10. What is the primary additional duty of the brigade aviation section commander?

11. What is the primary additional duty of the division artillery aviation officer?

12. What are the two primary considerations in determining the method of employment of aviation units?

13. Which element of the air cavalry troop is the reconnaissance element?

14. Which element of the air cavalry troop is the maneuver element?

15. Which element of the air cavalry troop is the fire support element?

16. What degree of control can a supported commander delegate over a supporting unit to his subordinate units?

17. Who can authorize the transfer of parts from a deadline aircraft to another aircraft (cannibalization)?