

STUDENT HANDOUT

ROTARY WING AERIAL FIRE RANGES

I/A 39-467-1

41-467-1

67-467-1



MAY 1969

UNITED STATES ARMY AVIATION SCHOOL
FORT RUCKER, ALABAMA

DEPARTMENT OF TACTICS
UNITED STATES ARMY AVIATION SCHOOL
FORT RUCKER, ALABAMA 36360

May 1969

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PERFORMANCE OBJECTIVES

ROTARY WING AERIAL FIRE RANGES

1. KNOWLEDGES: Without the aid of notes or references the student will, without error, be able to:
 - a. Name the four (4) major areas in the surface danger area.
 - b. State the two (2) minimum range marking requirements.
 - c. State the four (4) basic types of targets used on aerial ranges.
 - d. Name four (4) of the range facilities required on an aerial range.
 - e. State who has overall responsibility of all operations on an aerial range.
 - f. State the four basic terrain considerations common to aerial fire ranges.
2. SKILLS: None

NOTES

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ADVANCE SHEET

ROTARY WING AERIAL FIRE RANGES

PURPOSE: This discussion will provide the student with a general understanding of considerations in the planning and use of aerial ranges.

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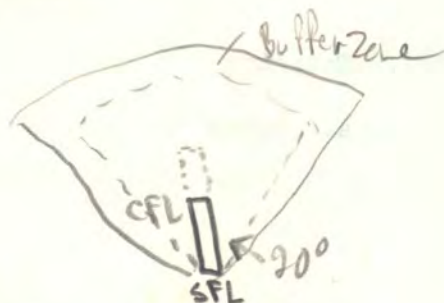
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STUDENT OUTLINE

ROTARY WING AERIAL FIRE RANGES

1. Aerial Gunnery Range.

a. Firing Lane 400 M x 1000 M



b. Target Lane lane extended 1000 M

c. Impact Area Down range from SFL at an L of 20°

d. Area "G" ADDITIONAL AREA

15' From impact area
not required with IP aboard

e. Buffer ZONE

9

SH-3

Down range from SFL 25' out from
Area "G"

2. Range Markings

a. Minimum Required *SFL + CFL*

b. Coloring *Distinctive color*

3. Targets

a. Types *Silhouettes, car bodies & numbered panels,
Tank and APC hulls, Moving Targets*

b. Uses

4. Range Facilities and Operating Procedures

a. Range Facilities

b. Operating Procedures

c. Range References

5. Supervisory Responsibilities

- a. Officer in Charge (OIC) *Senior officer of Participating Unit / overall responsibility for Range operations*
- b. Range Control Officer (RCO) *Familiar with Range SOP, check receive phase, CTL all A/C, ground operations, Reporting accidents*
- c. NCOIC *Responds to RCO, have necessary EM, equip, Give necessary ground support to operate range.*
- d. Ammunition NCOIC *Have nec. ammo, safe handling of Ammo, safe storage of Ammo, Rearming of A/C.*

6. Terrain Considerations

*easily identified from the air
Relatively free of dense undergrowth
At least good force landings
Areas
1st 500-700 M relatively flat*

NOTES

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PERFORMANCE CHECK

ROTARY WING AERIAL FIRE RANGES

1. What are the four major areas of the range fan?

1. Firing Lane
2. Target "
3. Impact Area
4. Area 'G'

4. Buffer
Zone

2. The senior officer of the unit using the range in active participation is the _____.
3. What are the maximum angular limits that targets may be engaged to the left or right of the range azimuth center line?
4. What are the two minimum range markers?
5. What are the four basic terrain considerations common to aerial fire ranges?

6. What are the four basic types of targets used on aerial ranges?