

LESSON PLAN

IFSTA Model: Fire Protection Publications

Aerial Apparatus Driver/Operator Handbook

First Edition

Chapter 1 – The Driver/Operator

Learning Objectives:

After completing this lesson, the candidates will be able to:

1. Identify skills and physical abilities needed by the aerial apparatus driver operator.
2. Identify the selection of the aerial apparatus driver/operator.
3. Identify driving regulations for the aerial apparatus driver operator.

Time Frame: One hour and thirty minutes.

Level of Instruction: Lecture

Material Needed: IFSTA, Aerial Apparatus Driver/Operator Handbook, First Edition

Optional handouts:

NFPA 1002, Standard for Fire Apparatus Driver/Operator Professional Qualifications (1998)
NFPA 1001, Standard for Fire Fighter Professional Qualifications (1997, 2002)
NFPA 1500, Standard on Fire Department Occupational Safety and Health Program (1997, 2002)
NFPA 1582, Standard on Medical Requirements for Fire Fighters (1997, 2002)
NFPA 1451, Standard for a Fire Service Vehicle Operations Training Program (1997, 2002)
Georgia State law on the operation of emergency vehicles
Standard Operating Procedures/Guidelines of the hosting agency
Magazine articles concerning aerial apparatus driver/operators negligence
Program evaluation form

LESSON OUTLINE

Subject Block	Obj. No.	Est. Time
Administration		5 min
Introduction and Motivation		10 min
Handout Option NFPA 1002		
Handout Option NFPA 1001		
Skills and Physical Abilities Needed	1	25 min
Handout Option NFPA 1500		
Handout Option NFPA 1582		
Selection of Driver/Operators	2	15 min
Handout Option NFPA 1451		
Driving Regulations	3	25 min
Handout Option GA State Law		
Handout Option S.O.P'S		
Magazine Articles		
Lesson Summary		10 min
Program evaluation		
Total		1 hr., 30 min

ADMINISTRATION

5 MIN

Take	Roll
Organize	Handouts

Introduction and Motivation

10 min

Explain	Driver/Operator responsibilities
Explain	National Fire Protection Association's standards for aerial driver/operator.
Handout	NFPA 1002, Standard for Fire Apparatus Driver/Operator Professional Qualifications (1998)
Handout	NFPA 1001, Standard for Fire Fighter Professional Qualifications (1997, 2002)
Refer	NFPA standards and how they apply to the aerial driver/operator.

Skills and Physical Abilities Needed by the Driver/Operator

25 min

Explain	Needed reading skills for the aerial driver/operator
Explain	Needed writing skills for the aerial driver/operator
Explain	Needed mathematical skills needed for the aerial driver/operator
Explain	Physical standards needed for the aerial driver/operator
Handout	NFPA 1500, Standard on Fire Department Occupational Safety and Health Program (1997, 2002)
Handout	NFPA 1582, Standard on Medical Requirements for Fire Fighters (1997, 2002)
Refer	NFPA 1500 and NFPA 1582 and how they apply to the physical requirements of the aerial driver/operator
Explain	Vision requirements for the aerial driver/operator
Refer	NFPA 1582 and how it applies to the vision requirements of the aerial driver/operator

- Explain Hearing requirements needed for the aerial driver/operator
- Refer NFPA standard 1582 and how it applies to the hearing requirements of the aerial driver/operator
- Explain Other skills needed by the aerial driver/operator

Selection of Driver/Operators

15 min

- Explain The selection of aerial driver/operators in the career department
- Explain The selection of aerial driver/operators in the Volunteer department
- Handout NFPA 1002, Standard for Fire Apparatus Driver/Operator Professional Qualifications
- Refer NFPA 1002 and explain how it applies to the selection of aerial driver/operators
- Handout NFPA 1451, Standard for a Fire Service Vehicle Operations Training Program
- Refer NFPA 1451 and explain how it directs aerial driver/operators training programs

Driving Regulations

- Explain Aerial driver/operators are regulated by state laws, city ordinances and departmental standard operating procedures (SOPs)
- Handout State law on operating emergency vehicles.
- Refer State law and how the aerial driver/operator is subject to it
- Handout Departmental S.O.P.'s on aerial apparatus operation.
- Refer Departmental S.O.P.'s and explain how the aerial driver/operator is subject to them
- Handout Magazine articles on negligent driving

- Refer Magazine articles and how the aerial driver/operator can avoid from being negligent
- Explain Licensing requirements for the aerial driver/operator

Lesson Summary

10 min

- Review The skills and physical abilities needed by the aerial driver/operator
- Review The selection of the aerial driver/operator
- Review The driving regulations of the aerial driver/operator
- Handout Program evaluation

THE AERIAL DRIVER/OPERATOR

EDUCATIONAL AND TRAINING SERVICES PROGRAM EVALUATION FORM

ATHENS-CLARKE COUNTY FIRE AND EMERGENCY SERVICES

Program Title: _____ Training Location: _____

Participant Name (optional): _____ Date: _____

Instructor's Name: _____

How did you learn about this class?

Why did you select this particular class? *(Check all that apply)*

Course Content Location Date Other: _____

COURSE CONTENT (Circle your response to each item.)

NA=Not applicable 1=Strongly disagree 2=Disagree 3=Neither agree/nor disagree 4=Agree 5=Strongly agree

- | | | | | | | |
|---|-----|---|---|---|---|---|
| 1. I was aware of the prerequisites for this course. | N/A | 1 | 2 | 3 | 4 | 5 |
| 2. I had the prerequisite knowledge and skills for this course. | N/A | 1 | 2 | 3 | 4 | 5 |
| 3. I was well informed about the objectives of this course. | N/A | 1 | 2 | 3 | 4 | 5 |
| 4. This course lived up to my expectations. | N/A | 1 | 2 | 3 | 4 | 5 |
| 5. The content is relevant to my job. | N/A | 1 | 2 | 3 | 4 | 5 |

COURSE DESIGN (Circle your response to each item.)

- | | | | | | | |
|--|-----|---|---|---|---|---|
| 6. The course objectives are clear to me. | N/A | 1 | 2 | 3 | 4 | 5 |
| 7. The course activities stimulated my learning. | N/A | 1 | 2 | 3 | 4 | 5 |
| 8. Interactive multimedia was essential in the course. | N/A | 1 | 2 | 3 | 4 | 5 |
| 9. The activities in this course gave me sufficient practice and feedback. | N/A | 1 | 2 | 3 | 4 | 5 |
| 10. The test(s) in this course were accurate and fair. | N/A | 1 | 2 | 3 | 4 | 5 |
| 11. The difficulty level of this course is appropriate. | N/A | 1 | 2 | 3 | 4 | 5 |
| 12. The pace of this course is appropriate. | N/A | 1 | 2 | 3 | 4 | 5 |

COURSE INSTRUCTOR (FACILITATOR) (Circle your response to each item.)

- | | | | | | | |
|---------------------------------------|-----|---|---|---|---|---|
| 13. The instructor was well prepared. | N/A | 1 | 2 | 3 | 4 | 5 |
| 14. The instructor was helpful. | N/A | 1 | 2 | 3 | 4 | 5 |

COURSE ENVIRONMENT (Circle your response to each item.)

15. The training facility at this site was comfortable. N/A 1 2 3 4 5
16. The training facility at this site provided everything I needed to learn. N/A 1 2 3 4 5

COURSE RESULTS (Circle your response to each item.)

17. I accomplished the objectives of this course. N/A 1 2 3 4 5
18. I will be able to use what I learned in this course. N/A 1 2 3 4 5
19. Video is an important aspect of the course. N/A 1 2 3 4 5

20. How would you improve this course? (*Check all that apply.*)

- | | |
|--|--|
| <input type="checkbox"/> Provide better information before course. | <input type="checkbox"/> Clarify the course objectives. |
| <input type="checkbox"/> Reduce content covered in course. | <input type="checkbox"/> Increase content covered in course. |
| <input type="checkbox"/> Update content covered in course. | <input type="checkbox"/> Improve the instructional methods. |
| <input type="checkbox"/> Make course activities more stimulating. | <input type="checkbox"/> Improve course organization. |
| <input type="checkbox"/> Make the course less difficult. | <input type="checkbox"/> Make the course more difficult. |
| <input type="checkbox"/> Slow down the pace of the course. | <input type="checkbox"/> Speed up the pace of the course. |
| <input type="checkbox"/> Allot more time for the course. | <input type="checkbox"/> Shorten the time for the course. |
| <input type="checkbox"/> Improve the tests used in the course. | <input type="checkbox"/> Add more video to the course. |

21. What other improvements would you recommend in this course?

22. What is **least** valuable about this course?

23. What is **most** valuable about this course?

24. What other courses would you like VFIS to offer?