



Course Information and Required Materials



Course Code: FA110
Course: Aerial Apparatus, Strategy and Tactics
Hours: 30
Designed For: Fire Department Company Officers, Driver Operators, and Firefighters
Prerequisites: None
Certification: Aerial
Max Class Size: 20
Restrictions: None

Course Description: This course is designed to provide the driver operator, structural fire fighter and fire officer with the additional knowledge and skills to successfully operate aerial apparatus in rescue and firefighting situations. Included in this course is a section of performance standards (skill sheets) that must be completed and documented by the student by the end of the class.

Course Goals: The goal of this course is to specify, in terms of performance objectives, the minimum requirements for professional service as a fire department aerial operator.

REQUIRED STUDENT MATERIALS

Pen/Pencil and notebook suitable for field use;
Fire service turn-out-gear;

REQUIRED INSTRUCTOR MATERIALS

TFACA Aerial Apparatus Tactical Instructors Resource Kit
Aerial Apparatus with current ladder certification
Stokes basket with bridle
Rescue Randy manikin

REFERENCES

IFSTA Aerial Apparatus Driver/Operator Handbook, 2nd Edition
Various manufacturers' operation, service and maintenance manuals;

METHOD OF EVALUATION

Written and practical skills testing will be conducted throughout and at the completion of the course.

COURSE OBJECTIVES

Course Objectives: After lecture and practical exercises, the student shall be able to describe the four major operational strategies of the aerial apparatus.

Upon successful completion of this lesson, the student shall be able to:

1. Identify the victim removal priorities for aerial device rescues.
2. Discuss raising the aerial device to a victim. (*NFPA® 1002, 6.2.3*)
3. Discuss positioning the aerial device for rescue from a window or roof. (*NFPA® 1002, 6.2.3*)
4. Discuss using an aerial device to remove victims from elevated positions. (*NFPA® 1002, 6.2.3*)
5. Move victims down an aerial ladder raised to an elevated location. (*NFPA® 1002, 6.2.3; Skill Sheet 10-1*)
6. Use an aerial platform to remove victims from an elevated location. (*NFPA® 1002, 6.2.3; Skill Sheet 10-2*)
7. Lower a Stokes litter using an aerial ladder. (*NFPA® 1002, 6.2.3; Skill Sheet 10-3*)
8. Identify general safety issues associated with using aerial apparatus for water rescue. (*NFPA® 1002, 6.2.3*)
9. Discuss using aerial apparatus at aircraft rescue incidents. (*NFPA® 1002, 6.2.3*)
10. Discuss using aerial apparatus for below-grade operations. (*NFPA® 1002, 6.2.3*)
11. Describe using aerial apparatus for exposure protection. (*NFPA® 1002, 6.2.5*)
12. Describe aerial apparatus-assisted ventilation operations. (*NFPA® 1002, 6.2.3*)
13. Discuss operating elevated master streams. (*NFPA® 1002, 6.2.5*)
14. Identify the advantages of using fog nozzles vs. straight stream for elevated fire attack. (*NFPA® 1002, 6.2.5*)
15. Distinguish between characteristics of elevated stream blitz attacks and defensive operations. (*NFPA® 1002, 6.2.5*)
16. Deploy and operate an elevated master stream. (*NFPA® 1002, 6.2.5; Skill Sheet 10-4*)
17. Identify advantages and disadvantages of using the aerial device as an exterior standpipe to upper floors.
18. Discuss elevated foam streams. (*NFPA® 1002, 6.2.5*)

19. Identify foam application methods and their characteristics.