



Virginia Department of Fire Programs  
Technical Rescue Division  
**Vehicle Rescue - Level 1**  
Chapter 10 (10.1 – 10.1.10) NFPA 1006, 2013 edition  
**Vehicle Rescue Operations**  
Chapter 8 (8.3 – 8.3.4) NFPA 1670, 2009 edition

## **Section 1- ADMINISTRATIVE GUIDELINES**

### **1.1 Course Description**

This program meets or exceeds the requirements for NFPA 1006 *Standards for Technical Rescuer Professional Qualification*, Chapter 10, Level 1. The students will learn to perform at the Operations Level as specified in NFPA 1670, *Standards on Operations and Training for Technical Search and Rescue Incidents*, Chapter 8.

This 16 hour program includes classroom and practical training in Common passenger vehicle anatomy, systematic approach to vehicle rescue incidents, common passenger vehicle stabilization, incident hazard isolation, access and egress of common passenger vehicles, disentanglement of victims, the packaging and removal of victims for a common passenger vehicle, and operating as a member of a rescue team and directing rescue operations.

### **1.2. Course Information**

This Course meets or exceeds:

NFPA 1006 *Standards on Technical Rescuer Professional Qualifications*, 2013 edition – Chapter 10 Vehicle Rescuer Level 1

NFPA 1670 *Standards on Operations and Training for Technical Search and Rescue Incidents*, 2009 edition; Vehicle Rescue Operation, Chapter 8

#### 1006 Standard

10.1.1	Plan for common vehicle incident
10.1.2	Establish safety zones and scene security
10.1.3	Establish fire protection and fire control
10.1.4	Stabilize a common passenger vehicle
10.1.5	Isolate potentially harmful energy sources
10.1.6	Determine egress and access points
10.1.7	Create access to common passenger vehicle
10.1.8	Disentangle victims in Level 1 incident
10.1.9	Operate as member of a team during incident
10.1.10	Terminate incident

#### Course Correlation

Session 1
Session 1, Session 2
Session 1, Session 2, Session 3
Session 3
Session 3
Session 2, Session 3
Session 1, Session 2, Session 3



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1670 Standard

8.3.4 (1)	Size-up conditions at vehicle incident	Session 1, Session 2, Session 3
8.3.4 (2)	Identify victim locations and survivability	Session 1, Session 2, Session 3
8.3.4 (3)	Scene safety and stabilization	Session 1, Session 2, Session 3
8.3.4 (4)	Hazard control	Session 1, Session 2, Session 3
8.3.4 (5)	Protect victims during incident	Session 1, Session 2, Session 3
8.3.4 (6)	Package victim during incident	Session 1, Session 2, Session 3
8.3.4 (7)	Assess victim in common passenger vehicle	Session 1, Session 2, Session 3
8.3.4 (8)	Perform extrication and disentanglement	Session 1, Session 3
8.3.4 (9)	Mitigate and manage scene hazards	Session 1, Session 2, Session 3
8.3.4 (10)	Identify and secure resource needs	Session 1, Session 2, Session 3
8.3.4 (11)	Maintain scene control	Session 1, Session 2, Session 3

**1.3 Logistical Requirements of Host Jurisdiction**

- 1) Classroom facilities
  - a. Suitable size, comfortable and meeting the needs to deliver course lecture.
  - b. Adequate and appropriate restroom facilities (to include training grounds).
  - c. Lighting able to be controlled for projector operation.
  - d. Tables and chairs for 24 students.
  - e. LCD Projector and screen, computer with remote mouse.
  - f. Chalkboard, whiteboard, or easel pad with markers or chalks.
- 2) Open area big enough to set up three rescue scenarios without interruption of each other
- 3) Nine (9) vehicles that can be used for stabilization, egress/access scenarios.
- 4) Alternative training site with overhead protection for inclement weather.
- 5) Local point of contact with knowledge and authorized access of training sites to be used.
- 6) VDFP Vehicle Rescue 1 trailer or approved logistical requirements. Trailer must be requested by host jurisdiction for non-funded or reimbursable schools. Funded classes will be provided trailers without an additional request being needed.

**1.4 Required Student Material/Equipment/Uniforms**

- 1) PPE
  - a. NFPA rated fire helmet or technical rescue helmet
  - b. Boots with adequate ankle protection.
  - c. Gloves – tight fitting gloves which allow manual dexterity. (Structural firefighting gloves are NOT suitable for this class.)
  - d. Eye protection
  - e. Long pants (no loose fitting clothing while loaded on rope)

**1.5 Course Pre-requisites**



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- 1) Students **MUST** be 18 years of age.
- 2) Successful completion of Virginia Department of Fire Programs *Introduction to Technical Rescue Module 1 and Module 2* programs.
- 3) Students must be a member in good standing with a recognized fire, EMS, or public safety agency/department to apply to attend.
- 4) Students shall be psychologically, physically, and medically capable to perform assigned duties and functions at technical search and rescue incidents and to perform training exercises in accordance with of NFPA 1500 *Standard on Fire Department Occupational Safety and Health Program*, Chapter 10-Medical and Physical Requirements.

### **1.6 Course Registrations**

- 1) All students must be pre-registered in VDFP's Fire Service Training Records System (FSTRS) before being allowed to participate in the class.
- 2) Students will be required to sign a Virginia Department of Fire Programs *Notice of Acknowledgement* form verifying the students meets the course pre-requisites.
- 3) No unregistered students (walk-ins) will be allowed.
- 4) Class size is limited to 24 students.

### **1.7 Course Curriculum/ Outline**

#### **ORIENTATION**

Pre-Course Registration

*No pre-test recommended*

Student Registration

*Daily Attendance Sheet*

*Registration, Personal Data, Course Completion 'bubble' forms*

#### **Course Overview**

*Pre-Course requirements for all students*

*Program Content*

*Schedule*

*Completion Criteria*



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## **SESSION 1 – Day One**

Welcome/ Introductions of Instructors

Students Paperwork

Lecture

- Vehicle Anatomy
- Systematic Approach to Vehicle Rescue
- Vehicle Stabilization

Hand tool lecture

- Stabilization-Vehicle upright position
- Stabilization-Vehicle on its side
- Stabilization-Vehicle overturned

## **SESSION 2 – Day Two**

Student Paperwork

Review of Stabilization

Tool Lab

Hand Tools/ Power Tools/ Hydraulics

Practical Extrication exercises

Vehicle Upright

Vehicle on side

Vehicle overturned

Continue practical exercises

Final crash scenario for skills testing

Class review/evaluations/inventory and cleanup

### **1.8 Reference Material and Supplemental Information**

*Vehicle Extrication Levels 1 & 2*, Sweet, Jones and Bartlett, 2012

### **1.9 Course Completion Requirements for Students:**

- 1) Students are required to attend 100% of the classroom and practical sessions.
- 2) Successful completion of all required skills as indicated in the course outline.
- 3) Students are required to successfully complete a “Skills Task Book”. Each skill is pass/fail, with two opportunities to complete each skill.