

Flashover Simulator Operations, User Guidelines & Fees



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1. How the Cheatham County Firefighters' Association was able to acquire this unique training tool.

Thanks to the Federal Emergency Management Agency's Assistance to Firefighters' Grant, the Cheatham County Firefighters' Association (CCFFA) was able to receive a Swede Survival Systems Flashover Simulator. This unique training tool will equip firefighters with the knowledge and hands-on demonstration of not only the signs leading to flashover, but flashover itself in a controlled environment. We hope the training with the Flashover Simulator will save firefighters' lives.

2. Scheduling the Flashover Simulator

A designee appointed by the president of the Cheatham County Firefighters' Association Training Committee (CCFFATC) shall be responsible for all scheduling and communications to the appropriate parties. The president of the CCFFA or the CCFFATC may, at their discretion, restrict the usage of the Flashover Simulator. The use of the trailers must be approved by the CCFFA and CCFFATC. A web calendar posted on Cheathamfire.org shall be maintained to show dates when the Flashover Simulator is reserved for training. The Flashover Simulator may be scheduled on a first come basis with priority given to in county use.

3. User Fees: Flashover transported to user's site

The following user fees are recommended and the president of the CCFFA may waive the collection of any or all the user fees.

3.1 Training Fee

The user fee for an out-of-county fire department to attend a Flashover Survival class shall be \$80 per student with a minimum of ten students participating. This fee covers maintenance, materials, and instructor fees.

3.2 Transportation Fee

The user shall cover all transportation costs.

3.3 Instructor Fees

The fee for each instructor will be \$50 per day. There shall be a minimum of three instructors but not to exceed four instructors at each burn that takes place.

3.4 Fees Collected

All fees collected shall be placed in a training line item under the CCFFA. The transportation fee shall be placed in the fire department's line item that provides the transportation.

4.0 Instructor Requirements

The simulator cannot be operated without a minimum of three personnel. This requires a lead instructor, an assistant instructor and a safety officer.

4.1 Lead Instructor:

At least one CCFFA approved instructor will travel with the Flashover Simulator to assure proper usage of the simulator. To become a lead instructor you shall be a minimum of a Live Fire Instructor (meeting requirements of NFPA 1403) and Fire Instructor I through the State of Tennessee Fire Commission, have had the proper training related to instruction of the flashover simulator and been approved by majority vote from the training committee. As a lead instructor you will be the "nozzle man" and simulator instructor. An assistant instructor may be used as a "nozzle man" with your discretion. It is your responsibility to ensure the simulator is set up properly, training is conducted in a safe manner and everything has been placed back in service after training.

4.2 Assistant Instructor:

To become an assistant instructor it is preferred you be a minimum of Firefighter II through the State of Tennessee Fire Commission, have had the proper training related to instruction of the flashover simulator and been approved by majority vote from the training committee. As an assistant instructor you will be involved in setting up and overhauling before and after each evolution. You will be the "vent man," the safety and outcome of each burn depends on you. During the evolutions you must be able to efficiently communicate with the lead instructor. An assistant instructor may be used as a "nozzle man" instructor only if the lead instructor during that evolution has approved it.

4.3 Safety Officer:

To become a safety officer it is preferred you be a minimum of Firefighter I through the State of Tennessee Fire Commission, have had the proper training related to set-up and safety of the flashover simulator and been approved by majority vote from the training committee. As the safety officer it is your responsibility to ensure that both the instructors and students actions are of a safe manner. Your primary role prior to an evolution is checking everyone's personal protective equipment before they enter the flashover. You are the point person to observe the 'big picture' and address any safety concerns that arise.

Note: It is ultimately up to the Lead Instructor to place individuals where he/she deems necessary regardless of certification level.

5.0 Class Format

The first portion of the class will be a PowerPoint! presentation.

It is best to team-teach this with an assistant instructor. Keep in mind the audience you are delivering this class to and modify your presentation and 'war stories' accordingly. The second portion of the class is hands-on. Depending on time, it is beneficial to 'load' the flashover with help from your students so they can see just how little fuel is needed. After all the safety issues are addressed, it is time to light the fire and work through the evolutions. After the burn is complete, have the students overhaul the flashover and clean it out making it ready for the next class.

6.0 Teaching Materials

The PowerPoint, hard copy of the PowerPoint with note space, LCD projector, screen, computer with speakers and electrical extension cord are necessary to deliver this class.

7.0 Waivers & Safety Guidelines

Please make sure you have the waiver of liability and safety guidelines to pass out AND collect at the end of the classroom portion of the training. You will find these forms in your Flashover Simulator Instructor's notebook. All waivers shall be submitted back to the scheduler and they will be placed on file for future reference.

8.0 Flashover Simulator Logbook

The lead instructor is responsible for making sure the logbook is updated with the class he/she is teaching. The Flashover Simulator Scheduler will maintain the logbook and it should be returned to the scheduler when you return or complete a training.