



---

## DEPLOYING AN AERIAL MASTER STREAM (1.1)

---

Developed By Matthew Hintzman  
September 2011

- NFPA 1002 Standard on Fire Apparatus Driver/Operator Professional Qualifications

---

### TASK SKILL DESCRIPTION AND DETAIL

---

Elevated master streams can be used in defensive operations, a blitz attack and exposure protection

#### Step 1 - Considerations for positioning the apparatus:

- Building collapse
- Surface conditions
- Weather and wind conditions
- Ground and overhead obstructions

#### Step 2 - Deploy stabilizers per manufacturer's recommendations:

- Truck 6 stabilizer deployment
  - Place truck in position for stabilizers to extend out 5 feet on each side of the apparatus
  - Turn on the aerial master switch and aerial PTO switch inside the cab
  - Chalk the front wheel on each side
  - Go to the rear control box underneath rear compartment and move diverter switch to stabilizer position
  - Visually clear both sides of the apparatus and extend stabilizers
  - Place ground pads under the stabilizers and extend the stabilizers down until stabilizers are touching ground pads
  - Extend stabilizers evenly the rest of the way down until the apparatus is level
- Truck 7 stabilizer deployment
  - Place truck in position for stabilizers to extend out 2 feet on each side of the apparatus
  - Turn on the aerial PTO switch inside the cab
  - Chalk the front wheel on the DO side
  - Place ground pads
  - Lower the ladder rack
  - Extend stabilizers on each side until the stabilizers are touching the ground pads
  - Extend stabilizers evenly the rest of the way down until the apparatus is level

#### Step 3 - Place the pump in volume and obtain a water supply

- Obtain a water supply before engaging aerial master stream operations
- An engine can supply the waterway on both TK6 (see Figure 1) and TK7 (see Figure 2) by connecting to the rear intake. The valve will have to be closed on TK 7 on the aerial controls at the rear of the truck.



Figure 1 - Truck 6 rear intake



Figure 2 - Truck 7 rear intake

**Step 4 - Pin the waterway in to Water mode**

- Located at the tip of Truck 6
- Move the handle from rescue to water tower (see Figure 3 and Figure 4)



Figure 3-Truck 6 pinned in water tower mode

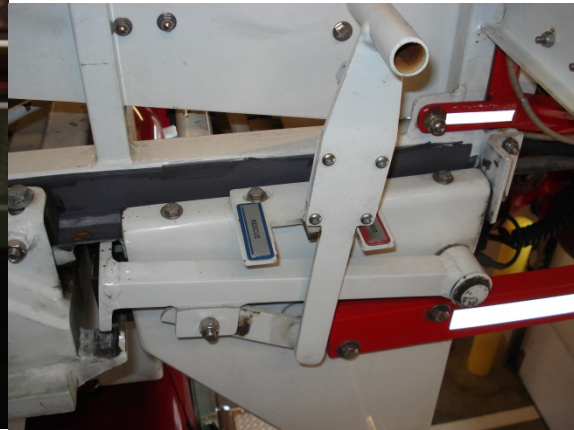


Figure 4-Side view

#### Step 5 - Position the aerial for method of chosen operation

- Defensive, Exposure Protection or Blitz Attack
  - When performing a Blitz Attack place the nozzle in the lower portion of the window (Figure 5) so that the stream may be directed up toward the ceiling (see Figure 6)

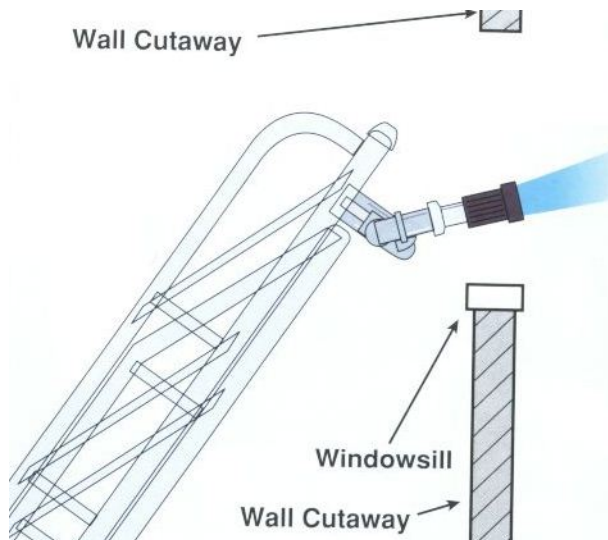


Figure 6-Water should enter the window directed upward

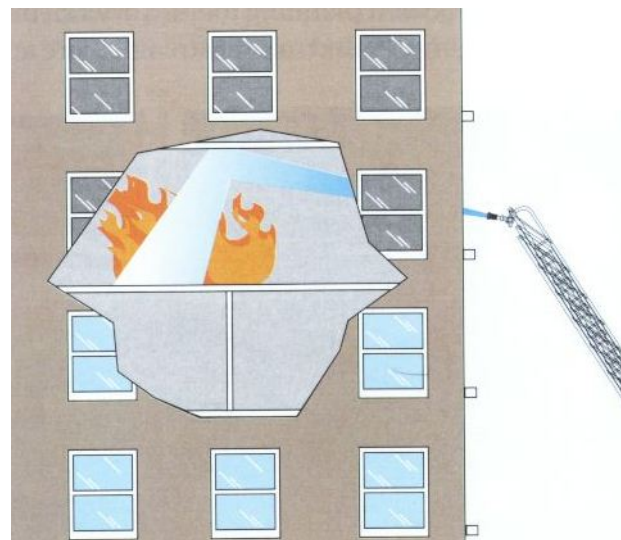


Figure 7-Deflect the stream off the ceiling above the fire

- When placing for defensive or exposure protection (see Figure 7) the aerial should be elevated to 75 degrees and extended no more than 80%

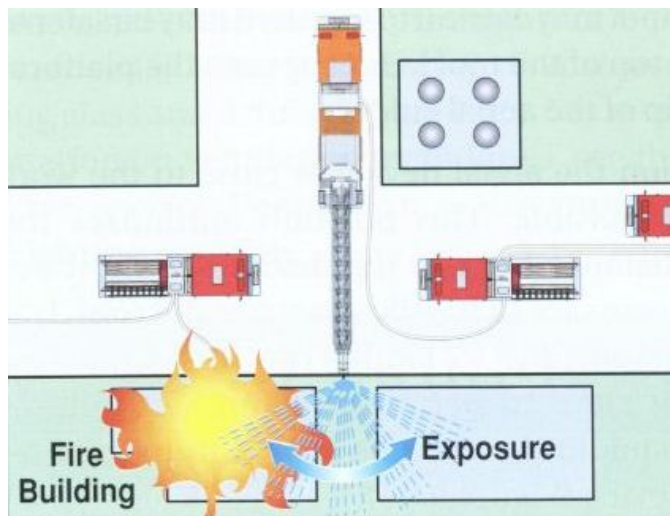


Figure 7-Alternate the stream between the exposure and the fire building

**Step 6 - A firefighter can be placed at the tip for effective nozzle control**

- Firefighter must be in full PPE and SCBA (see Figure 8)
- Firefighter must wear a ladder belt and be locked into the ladder (see Figure 8)
- Firefighter can use creeper controls for effective placement and communicate with the engineer on the turntable using the communication box or radio



Figure 8



**Step 7 - After the operation is over stow the aerial per manufacturer's recommendations**

- Waterway should be drained at a minimum of 30 degrees
- Pin waterway back into rescue mode (see Figure 9)



Figure 9

- Reverse order of operations for task #2 above for stabilizers

---

**TASK SKILL INSTRUCTIONAL REQUIREMENTS AND IMPLEMENTATION**

- <V:\Fire\Training Division\LFR Training Materials\Driver Operator Training\Aerial Training\LFR TK.ppt>
- <V:\Fire\Training Division\LFR Training Materials\LFR Training Manual\Training Manual - Phase II>
- Minimum of gloves and helmets when instructing
- A spotter can be utilized when positioning the tip near a structure that is being utilized for training purposes

---

**REFERENCE INFORMATION**

- Aerial Apparatus Driver Operator Handbook IFSTA First Edition
- Smeal Operator Manual for Truck 6
- <V:\Fire\Training Division\LFR Training Materials\Driver Operator Training\Aerial Training\LFR TK.ppt>
- <V:\Fire\Training Division\LFR Training Materials\Firefighter Training\Truck Company Training\Truck Company Operations Text.pdf>