



BENCH MARK DRILLS SOG

SCOPE

This guideline applies to all members of the Stoney Point Fire Department and shall be adhered to by all members. This SOG addresses the mandatory annual Bench Mark (BM) Drills for all Department members.

PURPOSE

Bench Mark Drills encompass “bread and butter” fireground tasks and operations commonly conducted by the first and second arriving engine companies. The tasks and operations are inherent to SPFD operations and serve as the foundation for structural firefighting operations and advanced firefighting operations. Bench Mark Drills are mandatory and must be completed annually.

This SOG provides guidance on Bench Mark Drills. It addresses and outlines the Bench Mark Drills to be practiced, trained and validated by the Department.

DEFINITIONS

SHALL - Indicates a mandatory requirement.

STANDARD OPERATING GUIDELINE (SOG) - Documents that help establish how an organization will operate and how its members are expected to carry out specific duties outlined in general terms.

Bench Mark Drills – a series of nine (9) basic engine company drills which are specific in task, timed and aligning with NFPA 1410 (2005), Training for Initial Emergency Scene Operations. These drills equate to tasks and operations executed by an engine company during the first five (5) minutes of arrival at a structural fire.

IAW – In accordance with.

Range Walk – a rapid, quick walk reflecting a purpose.

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**BENCH MARK TRAINING GUIDELINES****SPFD Bench Mark Drills****Bench Mark 1** – Offensive Single Engine: Hand line – Forward Lay.

- Task – Place a 150 feet, initial 1 ¾ inch attack line in service using staffing of a four firefighter engine company. Deploy the back up hose line. Water supply will be established with a minimum of 300 foot of LDH.
- Condition – Given a pumping engine fully equipped 4 firefighters, and a pressurized water source.
- Standard – Complete the evolution within 3 minutes.

Bench Mark 2 – Offensive Two Engines: Hand line – Reverse Lay.

- Task – Place an initial 150 foot 1 ¾ inch hand line in service and a back up 150 foot 2 inch hand line in service, both flowing a minimum of 300 GPM using two 4 firefighter engine companies. The second engine will reverse lay a minimum of 300 feet of LDH from the initial attack engine to a pressurized water source.
- Condition – Given two, 4 firefighter fully equipped engine companies, and a pressurized water source.
- Standard – complete the evolution within 4 minutes. Initial attack engine may charge the first hose line using tank water. Water supply must be established prior to charging the back up line.

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Bench Mark 3 – Offensive Two Engines: Hand line – Two Forward Lay From Different Pressurized Water Sources by Both Engines.

- Task – Place an initial 150 foot 1 ¾ inch hand line in service flowing 100+ GPM and a back up 150 foot 2 inch hand line in service flowing 250 GPM, using staff from two 4 firefighter engine companies. Both engines will forward lay, dropping a minimum of 300 feet of LDH from two different hydrants.
- Condition – Given two, 4 firefighter fully equipped engine companies, two hydrants, and a 30 second delay for the arrival of the second engine.
- Standard – complete the evolution within 3 ½ minutes. Engines may charge their respective hose lines using tank water. Water supply must be established prior to depletion of tank water.

Bench Mark 4 – Offensive Single Engine: Hand line – Hand line – Reverse Lay to Hydrant.

- Task – Using a gated wye or a portable hydrant, place an initial 150 foot 1 ¾ inch hand line in service flowing 100+ GPM and a back up 150 foot 2 inch hand line in service flowing a minimum of 200 GPM, using staff from one 4 firefighter engine company.



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- Engine will reverse lay from the fire scene to a hydrant dropping a minimum of 300 foot of LDH.
 - Condition – Given one, 4 firefighter fully equipped Engine Company and a pressurized water source.
 - Standard – Complete the evolution within 4 minutes. Engine may charge their respective hose lines using tank water. Water supply must be established prior to depletion of tank water.

Bench Mark 5 – Drafting Operations: Two Engines from Water Source.

- Task – Place an 150 foot, initial 1 ¼ inch attack line in service and a back up 2 inch line in service using staffing of two four firefighter engine companies. Initial engine will charge the first line from tank water. Second engine will reverse lay from the attack engine to an impounded source or dump tank, and draft to supply fire attack. A 30 second delay will occur on the arrival of the second engine.
- Condition – Given two, 4 firefighter fully equipped engine companies, an impounded water source or dump tank, and a 30 second delay for the arrival of the second engine.
- Standard – Complete the evolution within 8 minutes. Attack engine may charge the initial attack hose line using tank water. Water supply must be established prior to charging the back up line and depletion of tank water.

Bench Mark 6 – Drafting Operations: Two Engines from Water Source.

- Task – Place a 150 foot, initial 1 ¼ inch attack line in service and a back up 2 inch line in service using one four firefighter engine company. Initial engine will charge the first line from tank water. Attack engine will draft from a dump tank. Water supply must be established prior to charging the back up line. Water supply will be maintained by a tanker shuttle. A 30 second delay will occur on the arrival of the tanker-pumper.
- Condition – Given two, 4 firefighter fully equipped engine companies, one serving as a tanker pumper, a dump tank, and a 30 second delay for the arrival of the tanker-pumper.
- Standard – Complete the evolution within 8 minutes. Attack engine may charge the initial attack hose line using tank water. Water supply must be established prior to charging the back up line and depletion of tank water.

Bench Mark 7 – Defensive Single Engine: Master Streams (Portable).

- Task – Place a portable master stream flowing 500 GPM and supplied through 300 foot of 3 inch hose line. Engine will reverse lay from the master stream to the hydrant and provide water. Tank water may be used until water supply is established.
- Condition – Given one, 4 firefighter fully equipped Engine Company and a pressurized water source.

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- Standard – Complete the evolution within 5 minutes. Attack engine may charge the master stream supply line using tank water. Water supply must be established prior to depletion of tank water.

Bench Mark 8 – Defensive Single Engine: Master Streams (Pre-piped).

- Task – Place a pre-piped master stream flowing 500 GPM from an engine supplied through 300 foot of LDH. Engine will forward lay from a hydrant and place the master stream in service. Tank water may be used until water supply is established.
- Condition – Given one, 4 firefighter fully equipped Engine Company and a pressurized water source.
- Standard – Complete the evolution within 3 minutes. Attack engine may charge the master stream using tank water. Water supply must be established prior to depletion of tank water.

Bench Mark 9 – Offensive Single Engine: Sprinkler Connection – Reverse Lay.

- Task – Engine will drop two 3 inch lines or one LDH at the fire department connection (FDC), reverse lay 300 feet of LDH to a hydrant and support the sprinkler system with water.
- Condition – Given one, 4 firefighter fully equipped Engine Company and a pressurized water source.
- Standard – Complete the evolution within 3 ½ minutes. Attack engine may charge the master stream using tank water. Water supply must be established prior to depletion of tank water.

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- All firefighters minus the Engineer will be in full PPE and SCBA. It is not necessary to breathe air.
- Safety is paramount. The senior officer will assign one officer or firefighter as the Safety Officer. Safety Officer will have operational override authority.
- Firefighter will range walk on the fireground. No running is allowed.
- All personnel (observers, Engineers, Safety Officer) other than the firefighters participating in the Bench Mark Drill will wear helmets during execution of the operation.
- Time will be recorded using a stop watch.
- The senior officer will annotate firefighters who participated and completed the Bench Mark Drill (to standard) on a training report. This report will include the time(s) the Bench Mark Drill was completed within.