

# National Indigenous Fire Safety Council

## Evolution Manual

(V. April 2023)



The National Firefighters Competition manual is dedicated to the First Nations women and men promoting, fitness, health, and wellness of firefighters across Canada.

Thankyou.

NIFSC Board of Directors



## **NATIONAL FIREFIGHTER COMPETITION - EVOLUTION MANUAL**

Preamble: The manual is used as a guideline to develop standard processes and expectations for all participants and organizers. Any part of the manual can be adjusted and adapted to address the environment, equipment, or circumstances. The adaptation or changes should be completed transparently and without intent to advantage or disadvantage the spirit of competition. No changes or adaptations are grounds to challenge the competition and judge's decision. In layman's terms the manual is not a rule book that can be referenced to challenge how a competition is coordinated or decisions the judges may be required to make.

### **1. Facilities Guide:**

The following list and diagram are the facilities and equipment required to conduct a competition and may also be used for practice to acquaint the competitors with the distances involved. The area for the evolutions should be free of obstructions that could cause injury such as stumps, rocks or holes. It could be a grass surface or asphalt, as long as it is level. It should be about 50 feet wide (15 meters) and 250 feet long (75 meters). Chalk lines should be located at 50-foot (15-meter) intervals for the length of the competition site.

#### **1.1 The area should include:**

- ❖ A safe viewing area for spectators
- ❖ Suitable parking
- ❖ First aid station with qualified personnel
- ❖ Washroom facilities
- ❖ A serviceable fire hydrant or portable water source
- ❖ Logistics (chairs, tables, shelters, drinking water, ice)

#### **1.2 The following equipment is recommended:**

- 1) A score sheet for the scorekeeper
- 2) *Score board for scorekeeper to record scores after each evolution*
- 3) Stopwatches for the timekeepers
- 4) Caps and/or vests for the officials
- 5) A public address system
- 6) Targets should be designed to operate on a hinge assembly to clearly show when it has been activated or hit.
- 7) A triple combination pumper truck with the complement of the ULC S-515 – M88 standard for equipment. If two evolutions are to take place simultaneously, it is



optimal to have two triple combination pumper trucks will be required plus double the other required equipment, i.e. ladders, hoses, nozzles, targets, etc.

- 8) Ten SCBA units with spare cylinders for each. (Teams may bring their own SCBA but the SCBA must meet current requirements and be maintained in a serviceable condition; cylinders must have a current hydrostatic test date). NIFSC will provide competition Scott SCBA's.
- 9) The host community access a SCBA filling station to ensure that there is not a stoppage in competition because of a shortage of compressed air.

## **2. General Responsibilities:**

- a) **Regions** - Each region will determine how registration is conducted for regional competitions.

### **b) Hosting Fire Departments is responsible for:**

- i. To arrange scheduling of District or Zones, Regional and National Fire competitions, if applicable with your region or Province.
- ii. Provide judges and officials with rules and competition manual prior to event *At least 2 weeks prior*
- iii. Provide Insurance for protection of the Host Nation, Firefighters, Judges and Officials, and Spectators
- iv. *To arrange the opening ceremony on (1<sup>st</sup>) day of the National Aboriginal Firefighter Competition event. 1<sup>st</sup> training day*
- v. *The closing ceremony will be on conclusion of the competition or at the banquet.*

### **c) Team Captain Responsibilities:**

- i. To register team members on the official sheet; this includes the use of coaches.
- ii. To draw for evolutions & team positions; this includes the playoff format prior to the start of the event.
- iii. To attend Rules & Regulations meeting with the officials;
- iv. To identify to the officials, the designated stopper of each Evolution if applicable.
- v. To ensure competition equipment is in working order before each evolution.
- vi. Only the Team Captain may question the officials about the evolution rules.
- vii. Coaches are not allowed into or on the competition tarmac. They may contact their team via radio or hand signals if necessary. If a coach interferes with the competition a 15 second penalty will be assigned for each infraction.
- viii. Team Captain should be visibly identified on the bunker gear and helmet.

## **3. Eligibility of Team Members:**



- a) Must be a bona-fide member of the First Nation Fire Department. **Must be an active member of the fire department they represent and not on leave of absent.** They can be of Aboriginal Descent, Status Indians or Non-Status Indians, Metis or Inuit, but must be members of the said Nation Fire Department. The team will comprise of First Nation Members and can have one Non-Aboriginal Fire Department Member.
- b) **If from another department clearance will have to be obtained from other competing teams prior to competition**
- c) Must be a minimum of 18 years of age for insurance and liability purposes.

#### 4. **Registration:**

- a) Each Regional or Provincial competitions rules will be provided by the regional organizers on how their competition is managed.
- b) At the Zone, District or Regional competitions, the limit of teams is defined by the regional organizer.
- c) Each team may have one Non-Aboriginal Member.
- d) Each team can register up to six (6) members. The names on the registration list are final.
- e) By registering for the National Competition each team guarantees that each team member is a bona-fide member of the First Nation Fire Department **that is registering.**
- f) Each team member must sign the General Release Form.
- g) Only the overall winner from each **PROVINCIAL REGION** may register; if unable to attend the runner-up team from that region will be invited to attend if advance notice is provided to NIFSC.

#### 5. **Officials:**

**Judging & Officials** – NIFSC endeavors to manage the National Fire Competition in a manner that provides neutral officials who are knowledgeable about the fire service, familiar with the competition rules and hold no biases. In addition will also ensure that at least one of the officials is fluent in both official languages (English and French). The following defines the judging format; however should circumstances require any changes or alterations an NIFSC Board meeting will be held, revisions approved by Board motion. Immediately following the Board meeting, the Board will meet with all Teams, provide



print copies of the special alterations and verbally explain the changes and rationale. The normal officials will be as follows:

- a. **Head Judge X 1** - This position will be determined in collaboration with the NIFSC Board and Host Community. Their responsibilities are as follows:
  - ❖ To explain rules & regulations;
  - ❖ To explain *and/ or* demonstrate each evolution;
  - ❖ To start Running Time of each evolution
  - ❖ To stop the Running Time of each evolution;
  - ❖ To hear any issues brought forward by a team Captain;
  - ❖ To make final judgment on rules, regulations, re-runs and/or equipment failures;
- b. **Line Judge X 2 per team running** - These positions will be determined by the Host Community. Their responsibilities are as follows:
  - i. To assess penalty points for infractions;
  - ii. To tell each captain about penalties
  - iii. To ensure the pump is engaged and ready for the start of the evolution
- c. Compliance Judge X 1 per team running - These positions will be determined by NIFSC. The responsibilities are as follows:
  - i. *Check each participants turn out gear to ensure compliant with NFPA 1971 standard(structural firefighting latest edition)and (not competition gear)*
  - ii. *Ensure equipment and turnout gear in is good shape*
  - iii. To monitor utilization of equipment as prescribed by manufacture and/or safety issues;
  - iv. Hold team members at evolution stations until deficiencies are addressed, if held no scoring penalty will be assessed.
- d. Timekeepers X 2 per team running - These positions will be determined by the Host Community. Their responsibilities are as follows:
  - i. To time each evolution and forward the results to the scorekeepers.
  - ii. The official time is determined by the sum of each given time, and then the average is determined by dividing the by the number of stopwatches. *(time not rounded off)*



- e. Score Keepers X 1 - This position will be determined by the NIFSC Board The responsibilities are as follows:
- i. To register the competing teams.
  - ii. To keep a record of the Running Time.
  - iii. To keep a record of the Penalties assessed.
  - iv. To total the Running Time + Penalty Time.
  - v. To determine & assess Total Points for each team.
  - vi. Record the official run times on a Score Board which is to be placed at the competition site.

## 6. Code of Conduct

All competitors, officials, judges and interest groups must agree and adhere to the following guidelines and shall refer to this section of this document when the need arises prior, during and post competition. These guidelines shall be made clear prior to the competition or event and with the appropriate information given to each participating team, officials, judges and special interest groups or individuals.

Each designated Team Captain, shall be responsible to work in conjunction with each team member to ensure that they adhere to the CODE OF CONDUCT, and that each team member's conduct is carried out in a fair and professional manner.



Conduct *on the competition field* by all involved shall be presented in a professional manner-reflecting attitude and image at all times. NIFSC wishes everyone to have a memorable and enjoyable competition and is very serious about the reputation of the competitors, judges, officials, host communities and other special interest groups or individuals. All competition members are required to follow directives of representatives of NIFSC and/or the Host Community. Severe action will be taken against any individual(s) who contradicts the manner of the competition as it is intended to be.

Un-sportsmanlike conduct and or any behavior, which brings discredit to the competition or event prior, during, and after the competition or event, will not be tolerated. Any physical or verbal abuse on competitors, judges, officials, spectators and any other special interest groups or individuals will be met with severe penalties and or disqualification from the competition. Un-sportsmanlike conduct by non-competitors may also reflect on their competition associates as well. Each team representing their communities shall ensure that all aspects of their sportsmanlike conduct are exercised during the competition or event, should this be ignored, and then **a letter to the Chief and Council of the community represented will be sent detailing the misconduct.**

All competitors, officials, judges, and special interest groups or individuals are expected to conform to all local, Provincial and Federal Laws. This applies prior, during, and after the competition or event in all aspects of any unlawful activity. There is a zero tolerance on any drug or alcohol use during the competition or events, all drugs and or alcohol are prohibited from the competition area and any related venues connected to the competition or event. (i.e. banquet facilities). *All competitors, officials, judges, and special interest groups or individuals shall not consume alcohol and/or cannabis 8 hours prior to any training, events and competition.* Should anyone involved with the competition or event be found to be in contradiction to the above will be immediately disqualified *them and their team* from the competition, and may face prosecution under the Criminal Code of Canada through the local law enforcement agencies.

The Head Judge will determine the severity of competition ground penalties, serious violations will be determined by the NIFSC Board of Directors. The penalty may result in a time penalty, disqualification from that evolution and or disqualification from the competition or event. The Head Judge will have the ultimate authority for final decision on any CODE OF CONDUCT offense. The offending participant and or team will be excluded from this process.

## 7. Safety

For the purpose of personal safety to the spectators, team members and officials, plus the equipment, the following should be implemented at every competition:

- a) Competition Area The competition area will be barricaded & no persons will be permitted within the enclosed area, except the team(s) engaged in an evolution and the officials.



- b) Clothing all team members must wear NFPA/CGSB approved, fire protective clothing when engaged in an evolution, i.e.: helmet / face shield, coat, pants, boots, gloves, balaclava. Equipment to be used for competition shall be inspected by judges for compliance and condition before competition starts. Once inspected no equipment shall be exchanged unless first inspected by judges for compliance. Firefighters may don equipment in any manner they choose as long as the practice is safe. The DPO is required to wear the same full protective clothing as their team mates, *if required for the said evolution; persons who are unable to acquire smaller size boots are permitted to use their personal boots, providing they offer steel toe and shank protection. (remove as they should have their own PPE with them when they arrive)*
- c) Pumper unless otherwise stated by the host FD, the pumper will be stationary throughout the competitions. To prevent unnecessary grinding to the gears, the pump should be set to pre-engage before an evolution begins.
- d) Fire Protection The host FD must establish a back-up fire protective measure for the community.
- e) Live-Fire at the conclusion of the fires, the remaining fuel must be burned-off & the burn pan completely cleaned.
- f) Conclusion at the conclusion of the competition, all equipment must be inspected, cleaned, repacked and refueled, if necessary.

## 8. Preparation

- a) Before an evolution begins each team is responsible to prepare the equipment in their own fashion but within the guidelines of each evolution, i.e.: load pre-connects, check air packs, etc.
- b) The officials will ensure pump is ready for the evolution.
- c) All nozzles are designed and set for High Volume Discharges **(125 gpm)**
- d) The order of teams has been established.
- e) The order of the evolutions has been determined.
- f) The team captains have been briefed and have discussed any issues pertaining to the evolution.





## 9. Evolutions

- a) Each evolution will begin as follows:
- b) The officials will alert timers, then YELL; “ON YOUR MARK, GET SET, GO!”**
- c) The stopwatches are activated; the evolution begins
- d) The officials may stop an evolution/time when:
  - i. The DESIGNATED STOPPER from the team uses the agreed upon signal used to signify that the evolution is completed.
  - ii. The Head Judge identifies that A LIFE SAFETY HAZARD exists, i.e. falling from a vehicle; Unsafe positioning of a ladder; interference by spectators or other persons.
  - iii. A MECHANICAL HAZARD exists, i.e. danger of over-running the pump; equipment failure etc.

## 10. Score Keeping

- a) Total Time - The total time is determined by adding the average running time from the number of official stopwatches plus the penalty time as assessed by the referees. (running time + penalty = total time)
- b) NO PENALTY - Contestants may stop to correct infractions, where possible, i.e. straighten out hose, go back for spanner etc., and if correction is made before the evolution is completed, no penalties will be assessed against that team.
- c) Re-Runs - Due to time constraints, no re-runs are allowed, the only exception will be the fault of the referee that caused stoppage of time or a false start, a mechanical or equipment failure (not caused by participants) or infractions will determine the total time awarded to the team that caused the evolution to be stopped.
- d) Penalty Infractions - Infractions are as follows:
  - i. Evolution Rules not followed as per guidelines.
  - ii. CONTINUED ACTIVITY by F/F after the time is stopped.
  - iii. SAFETY any other infraction(s) that may have occurred before time was stopped.
  - iv. MECHANICAL reasons is assessed the average time\* plus ten second penalty infraction, PLUS any other infraction (s) that may have occurred before time was stopped.
  - v. Some evolutions have added special penalty for infractions to prevent short cuts and/or safety reasons. Violations will be assessed Fifteen (15) seconds, which is added to the running time. These special penalties also include failure to setup properly, and intentional false starts. *(If used team shall be informed of what the infraction consists of)*



## 11. Declaration of the Winning Team

a. Points - Will be awarded to winners of each evolution, as follows:

1st = 100 points.

2nd = 90 pts.

3rd = 80 pts.

4th = 70 pts.

5th = 60 pts.

6th = 50 pts.

7th = 40pts.

8th = 30 pts.

9th = 20 pts.

10th = 10 pts.

b. Teams Tied - In case of a tie in point standings at the conclusion of the competition, the winner will be determined by the lowest penalty time accrued. If the penalty time is tied a Play-Off event is declared, then the **Team Captains** will implement the evolution that was drawn at the Captains Meeting.



## 12. Glossary of Terms:

**Full Protective Clothing** – NFPA 1971 Turnout pants and coat, boots, helmet, hood, gloves, as per current NFPA standards. *Shall be inspected for condition and compliance before competition starts. Once inspected no substitute will be allowed unless inspected by judges.* *This also means all straps done up snug and properly,*

**Running** – No running is permitted. (One foot must always be in contact with the ground surface)  
Power walking or fast walk *which is normally used on a fire ground* is acceptable. *(No duck walk)*

**Improper hose line advancement** – Control of the nozzle must be demonstrated by having the nozzle over chest or down back.

**Incorrect Fire stream** – displaying a fog stream when a straight stream is required to hit the target.

**Members Incorrectly Positioned** – nozzle men and a backup member(s) not in position (within one arm's reach) when water is discharged.

**Improper back up to nozzle men** – Back member **shall** have both hands on hose line

**Poor Communication for Water** – some form of communication must be demonstrated; no demonstration will result in penalties assessed.

**Leaking Couplings** – any display of water that causes a spray that exceeds six inches in height. (Judge's Discretion)

**Kinks in Hose** – any obvious kink that will inhibit the flow of water.

**Marking Burst Hose lines** – the use of the overhand knot in the hose.

**Donning of SCBA** – all straps done up, safety checks i.e.; face seal as per *NFPA 1500 (7.14.3) on facial hair. will have to shave*

Can be donned coat or over the head method with helmet *shall be removed as per proper donning procedures.*

**Doffing of SCBA** – unit is breathed down and valves shut down, straps are fully extended *including face piece* and repacked back in the case if required.



**Improper Entry in Tube** – SCBA first, then firefighter follows head first pushing the SCBA through. (SCBA wearer must still be connected to air *and SCBA unit must be completely removed from the firefighter*)

**Incorrect Ladder Placement** – ladder must maintain four-point contact.

**Spotting of Ladder** – ladder must be butted or spotted when in use.

**Climbing Angle of Ladder** – ladder angle must be at *approximately 75°* as indicated on *ladder decal*

**Ladder Carry/Advancement** – ladder must be off loaded from apparatus and carried to the area of use in an acceptable manner that meets NFPA standards.

**Tagging of Hydrant** – the use of a hydrant gate will be required when an evolution calls for hydrant hookups on the 65mm discharges. There is no need for a hydrant gate if connection is made to steamer port/discharge on hydrant.

**Donut Rolls** – will be measured from coupling to coupling, up to **16** inches will be acceptable. The couplings cannot be in contact with each other, or they will be ruled as a poor/unacceptable roll, *and roll must be tight or it will be ruled as a poor/unacceptable roll.*

**Pump Engagement** – the pump will already be in gear; the pump operator will be responsible for the proper opening of the required valve operations and the shutdown of the same valves. (*water hammer will result in penalty*)

**Equipment Misuse/Abuse** – examples: creating a water hammer, intentional dropping of nozzles, intentional dropping of hose couplings, and intentional throwing of equipment.

**Pre-connect Line** – a firefighting attack line, 38mm (1 ½ inch), 45mm (1 ¾ inch) or 65mm, (2-½ inch) which is already attached to a discharge port on the pumper apparatus.

**Not completing battle rope** -

**Improper Donning of water pack** -



## **NFC Manual – Evolutions & Video**

NIFSC would like to thank past contributors for the evolutions and support to all regional organizations in the evolution of the competition manuals. Some of the evolutions are duplicated and have been left in place until future edits of the NFC Competition Manual.

### **Runs 1-3 Evolutions (75% of possible points)**

- 1 – SCBA Wall Relay
- 2 – Fuel Removal
- 3 – Thermal Energy
- 4 – Water pack Target Throw Down / Show Down
- 5 - Portable Pump Dual /38mm Attack Line

### **Run 4 Evolution (25% of possible score)**

Fire Prevention Presentation – Each team will present on a fire prevention initiative or program their department has run or is planning on running. The presentation should be a minimum of 5 minutes with the Run 4 scheduled during the NFC event.

The presentation can be any format or media (video, presentation, handouts, etc.) and can utilize any



resources or support that the fire department would normally utilize. The department can use the annual NFPA fire prevention theme or any fire prevention theme that the department deems appropriate. If your presentation is all electronic media (video, etc.) the team captain and any designates required will provide an introduction and field questions from the audience. Except for plagiarism (credit for source material or documentation) there are no rules around production, sources, expertise or technology.

Judging will be performed by the competitors, NIFSC Board and invited guests to the competition. Competitors cannot vote for their own presentation and team votes will be scrutinized for vote swapping (two team coordinating voting for each other).

## 1. SCBA Wall Relay

### 1.1 Objective

Complete the relay race course in a safe manner, demonstrating good practical use of the SCBA unit. (Course involves crawling thru the framed wall 16-inch opening)

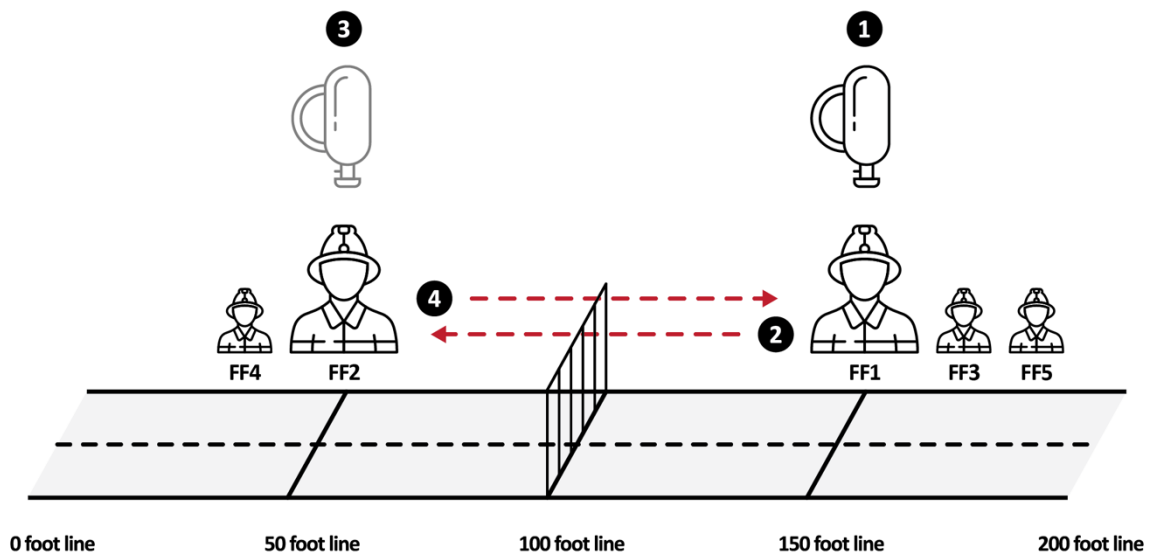
### 1.2 The Drill

- ❖ Two firefighters positioned at the 50-foot line,
- ❖ One SCBA positioned on the 150-foot line.
- ❖ Three firefighters positioned at the 150-foot line.
- ❖ Framed wall section positioned on the 100-foot line
- ❖ At the word **GO** FF1 who is at the 150-foot line Dons on the SCBA with air, once all the SCBA and the GEAR is on he/she will proceed to the framed wall at the 100-foot line and crawl thru it, and then proceeds the 50-foot line where he/she tags FF2.
- ❖ FF1 & FF2 switches SCBA, once FF2 has all of the SCBA/GEAR back on. He/she proceeds to the framed wall positioned at the 100-foot line and crawls thru it and proceeds the 150-foot line where he/she tags FF3.
- ❖ FF2 & FF3 switches SCBA, once FF3 has all of the SCBA/GEAR back on. He/she proceeds to the framed wall at the 100-foot line and crawls thru it and proceeds to the 50-foot line where he/she tags FF4



- ❖ FF3 & FF4 switches SCBA, once FF4 has all of the SCBA/GEAR back on. He/she proceeds to the framed wall at the 100-foot line crawls thru it and proceeds to the 150- foot line where he/she tags FF5
- ❖ FF4 & FF5 switches SCBA pack once FF5 has all of the SCBA/GEAR back on. He/she proceed to the framed wall crawls thru it then proceeds to the 50-foot line once he/she passes the line the time stops.

\*The process will be repeated.





<b>SCBA WALL RELAY RACE</b>			
Team Name:			
<b>Evolution Requirements</b>			
Team Members: 5		SCBA: 1	
<b>Deductions</b>			
<b>Error</b>	<b>Number of occurrences</b>	<b>Seconds added for each error occurrence</b>	<b>Total penalty time added</b>
Running		x 10 =	
Not Using Full Protective Clothing		(x5)x 5 =	
Improper Donning of SCBA		(x5)x 5 =	
Improper Pre-Check		(x5) x 10 =	
Air Leaks		(x5) x 10 =	
Failing to Breathe Down SCBA		(x5) x 5 =	
Improper Re-Donning of SCBA		(x5) x 5 =	
Misuse of Equipment		x 15 =	
Total Penalty Time Incurred			
Total Penalty Time Incurred			
Actual Run Time			





	Total Time	
--	------------	--

## 2 – Fuel Removal

**Objective:** Five Firefighters display endurance by Hauling, and teamwork. The firefighters will proceed back and forth with hoses from the 50 ft line to the 100 ft line. You will need, 5 – 65 mm rolled hose and 5 harness and tanks (no Air needed).

**Note\*** If all evolutions are picked that do not have Air Usage this evolution may be used for On Air. (Captain's & Judges discretions.)

### The Drill:

- ❖ At the word GO! FF1 and his/her SCBA will start at 100 ft line and will Donn SCBA (without air, only harness/tank no mask)
- ❖ Then proceed to the 50 ft line and retrieve 1 or 2 lengths of 65 mm hose which is rolled and carry hose to 100 ft line and placing on the ground,
- ❖ FF1 will come back to their hose station and retrieve the next hose and then back to the hose's destination, once all the 5 hoses have been stacked and completed
- ❖ The FF1 will tag FF2 before he/she begins their SCBA Donning process and haul the 5 hoses back to 100 ft line to the next firefighter
- ❖ who will do the same to the 50 ft line and the next firefighter to the 100 ft line and once the last firefighter places the 5<sup>th</sup> hose at the 50 ft line and onto the ground or stack, time stops.

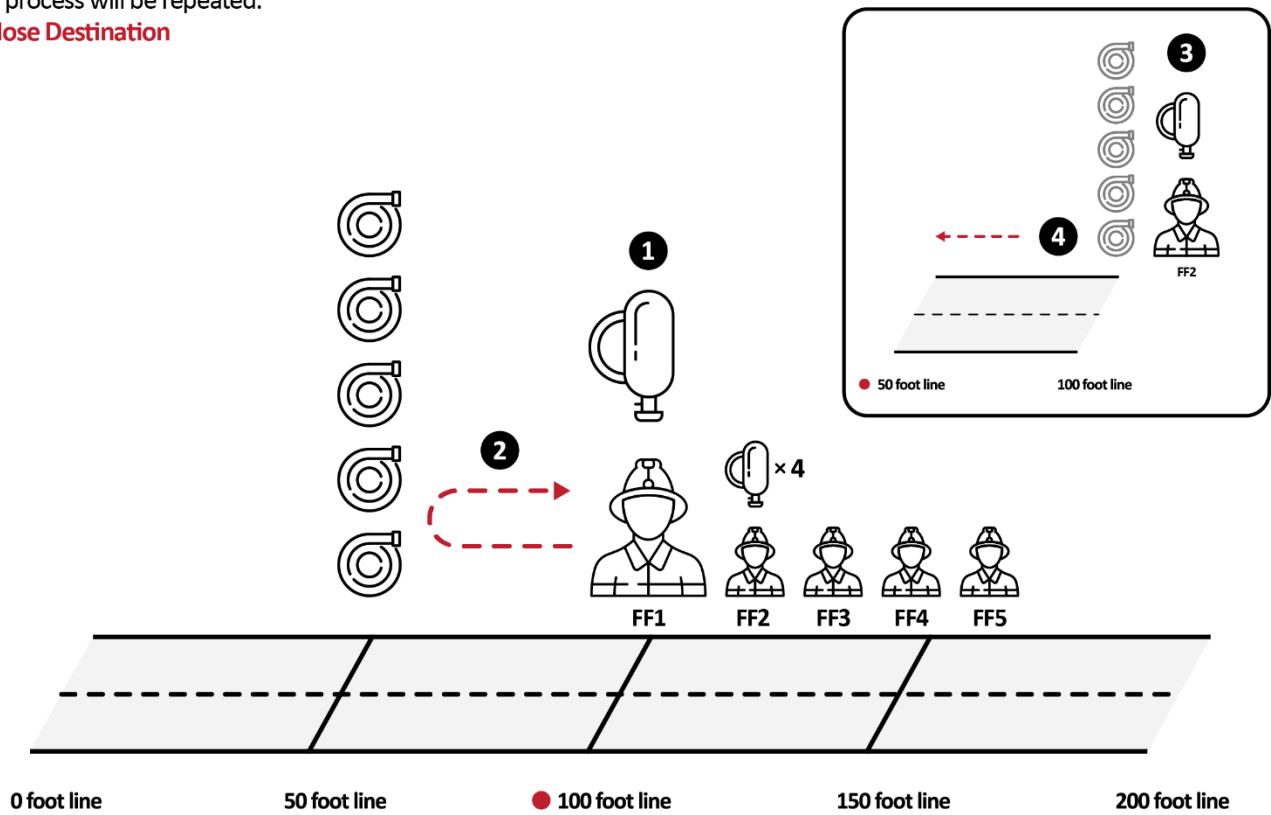
Tips:



1. The firefighter may haul 2 hoses at the same time.
2. Use Duct tape or other means to secure the hose so that it may not fall apart.
3. Firefighters may assist each other in Donning SCBA.

\*The process will be repeated.

● : Hose Destination





<b>FUEL REMOVAL</b>			
Team Name:			
<b>Evolution Requirements</b>			
Team Members: 5		SCBA:5 minus masks, 5 – 65 mm hose	
<b>Deductions</b>			
<b>Error</b>	<b>Number of occurrences</b>	<b>Seconds added for each error occurrence</b>	<b>Total penalty time added</b>
Running		x 10 =	
Not Using Full Protective Clothing		(x5) x 10 =	
Improper Donning of SCBA (Straps)		(x5) x 5 =	
Not tagging next firefighter before proceeding donning and hauling		x 10 =	
Dropping equipment, Hoses		x 15 =	
Total Penalty Time Incurred			
Total Penalty Time Incurred			
Actual Run Time			
Total Time			



### 3 – Thermal Energy

Objective: Firefighters display endurance by Hauling, dragging, pulling and teamwork. You will need 2 – worn out 38 mm hose attached to the pumper. 1 – old tractor wheel or hitting device, 1 – sledgehammer, 4 – 65 mm hose and 2 – 65 mm nozzles, and 5 harness and tanks

#### **The Drill:**

- ❖ At the word GO! FF1 with full PPE and Donned SCBA with Air On will start at the 0 ft line and proceed to the ends of the 38 mm hoses where FF1 will begin flailing (Battle rope) hoses 20 times, 10 on each arm, (using the handshake grip while alternating arm waves method)
- ❖ (A volunteer firefighter of the host fire department will count and will tell you to stop when reached)
- ❖ Before proceeding to the next task FF1 will tag FF2 who will then proceed to do the same hose battle rope,
- ❖ The next task FF1 will begin is using the sledge hammer to hit the tractor tire (or sled) 20 times and he/she must use full range of motion when hitting the tire,
- ❖ The last task FF1 will pull a charged 65 mm hose by placing the charged hose over shoulder and begin from the 50 ft line to the 125 ft line, reposition hose to proper position and hit a target. Once all firefighters are done the tasks and the last firefighter hits the target time stops.

Tips:

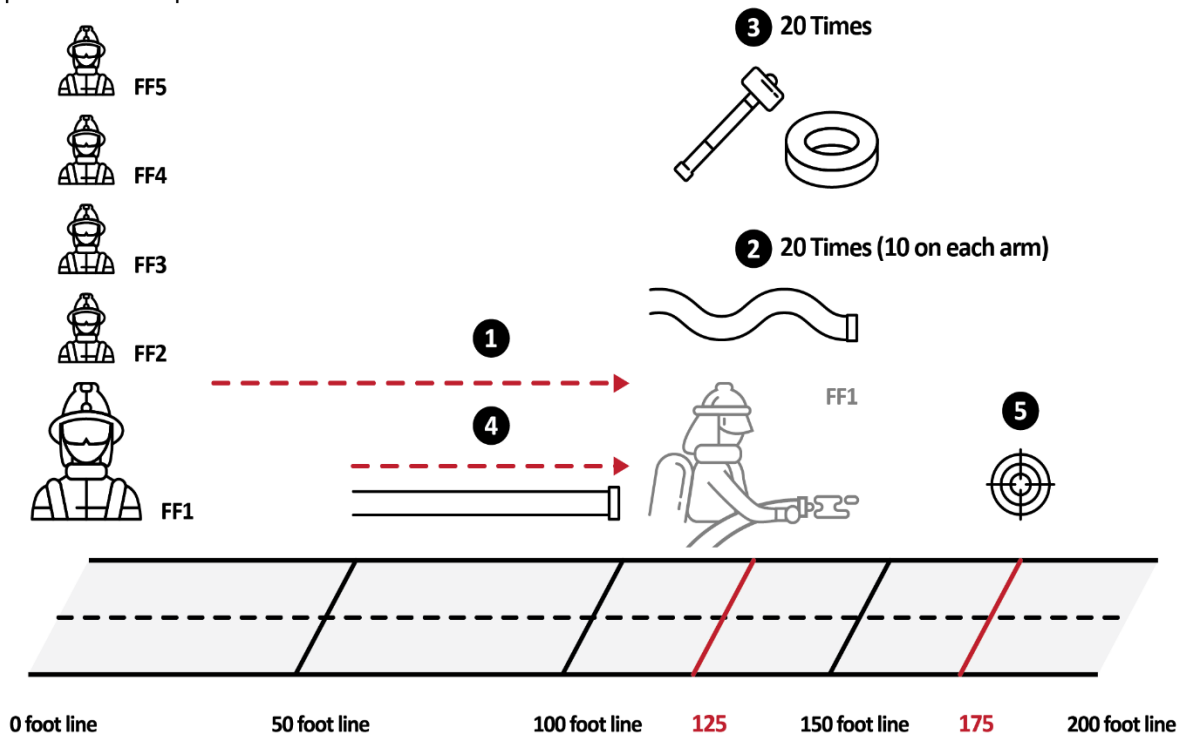


1. To conserve air the firefighters may wait until tagged to install regulator to facepiece.
2. To pull 65 mm hose to the target, place hose over shoulder and begin hauling.
3. Do not go by your own counting system, the firefighter will listen only to the appointed counter.

\*125 foot line (38 mm hose)

\*The FF2 starts his/her task when FF1 completes the Battle Rope task.

\*The process will be repeated.





Thermal Energy			
Team Name:			
<b>Evolution Requirements</b>			
Team Members: 5		SCBA:5, 2x 38mm hose, 1 tractor tire or hitting device, 1 sledge hammer., 4 x 65mm hose, 2 65mm nozzles	
<b>Deductions</b>			
Error	Number of occurrences	Seconds added for each error occurrence	Total penalty time added
Running		x 10 =	
Not Using Full Protective Clothing		(x5) x 10 =	
Improper Donning of SCBA (Straps)		(x5) x 5 =	



Not completing battle rope		x 10 =	
Not tagging firefighter		x 5 =	
Improper positioning of hose		X 10	
Dropping equipment, Hoses		x 15 =	
Total Penalty Time Incurred			
Total Penalty Time Incurred			
Actual Run Time			
Total Time			

#### 4 - Water pack Target Throw Down / Show Down

Objective: 5 Firefighters must hit 5 targets with water from the water pack that they have filled for themselves from a 38mm fire hose

##### The Drill

- ❖ Five firefighters start at the 50 foot line,
- ❖ At the word go, five firefighters go to the 0 foot line.
- ❖ FF1 picks up a charged 15 meter in length 38mm firehose and drags it to the 50 foot line.
- ❖ FF2,3 and 4 grab water packs at the 0 foot line, then proceed to the 50 foot line and wait for their turn to fill their water pack and knock down targets.

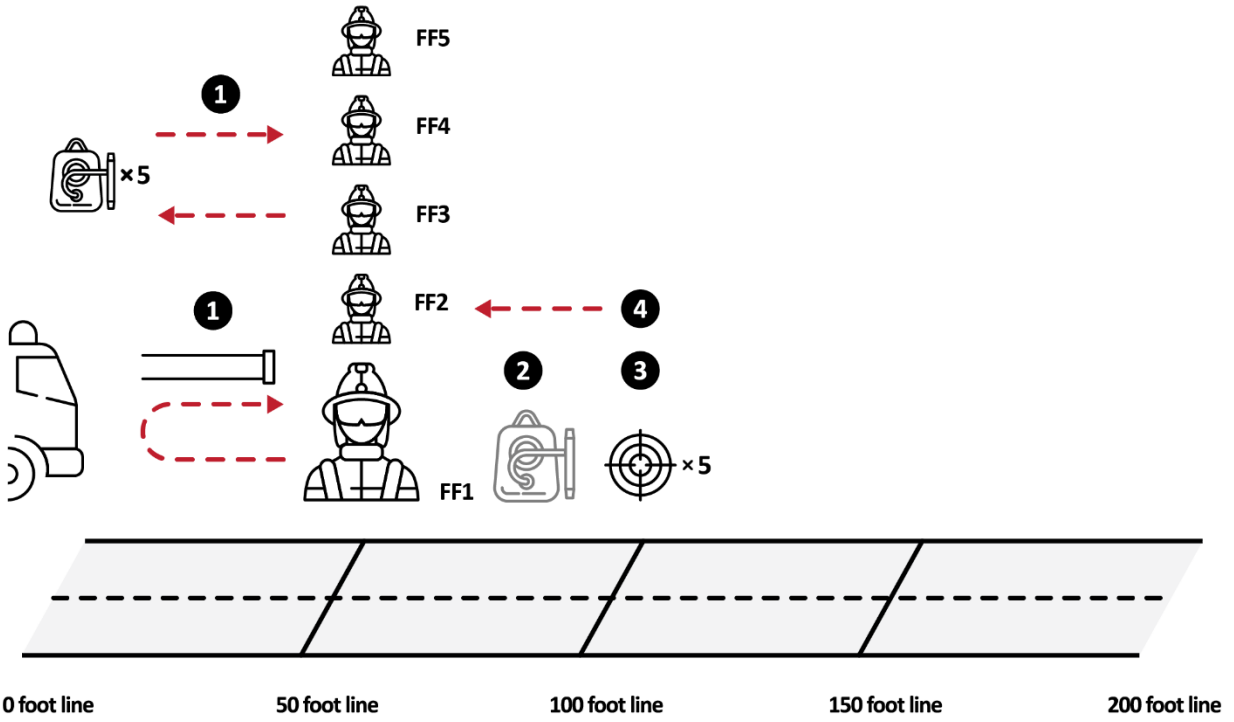


- ❖ FF1 fills a water pack to the marked line on the water pack. FF1 then carries the full water pack on his back to the 100 foot line and attempts to hit a target by squirting the nozzle from the water pack.
- ❖ FF1 then go back to the 50-foot line and tag FF2.
- ❖ Once tagged FF2 will fill his own water pack and proceed to the 100 foot line to attempt to knock down 5 targets.
- ❖ FF2 will then go back to the 50 foot line and tag FF3.
- ❖ Once tagged FF3 will fill his own water pack and proceed to the 100 foot line attempt to knock down 5 targets.
- ❖ FF3 will then go back to the 50 foot line and tag FF4.
- ❖ Once Tagged FF4 will fill his own water pack and proceed to 100 foot line to attempt to knock 5 targets.
- ❖ FF4 will then go back to the 50 foot line and tag FF5.
- ❖ Once tagged FF5 will fill his own water pack and proceed to 100 line to attempt to hit 5 targets. FF5 will then go back to the 50 foot line.
- ❖ Time stops when FF5 crosses the 50 foot line.





\*The process will be repeated.





<b>Water pack Target Throw Down / Show Down</b>			
Team Name:			
<b>Evolution Requirements</b>			
Team Members: 5		5 Water back packs nozzles, 5 targets, 38mm hose x2,	
<b>Deductions</b>			
<b>Error</b>	<b>Number of occurrences</b>	<b>Seconds added for each error occurrence</b>	<b>Total penalty time added</b>
Running		x 10 =	
Not Using Full Protective Clothing		(x5)x 10 =	
Improper Donning of water pack		(x5)x 5 =	
Not tagging firefighter		(x5)x 10 =	
Targets missed		(x5)x 5 =	
Dropping equipment, Hoses		x 15 =	
Total Penalty Time Incurred			
Total Penalty Time Incurred			
Actual Run Time			
Total Time			

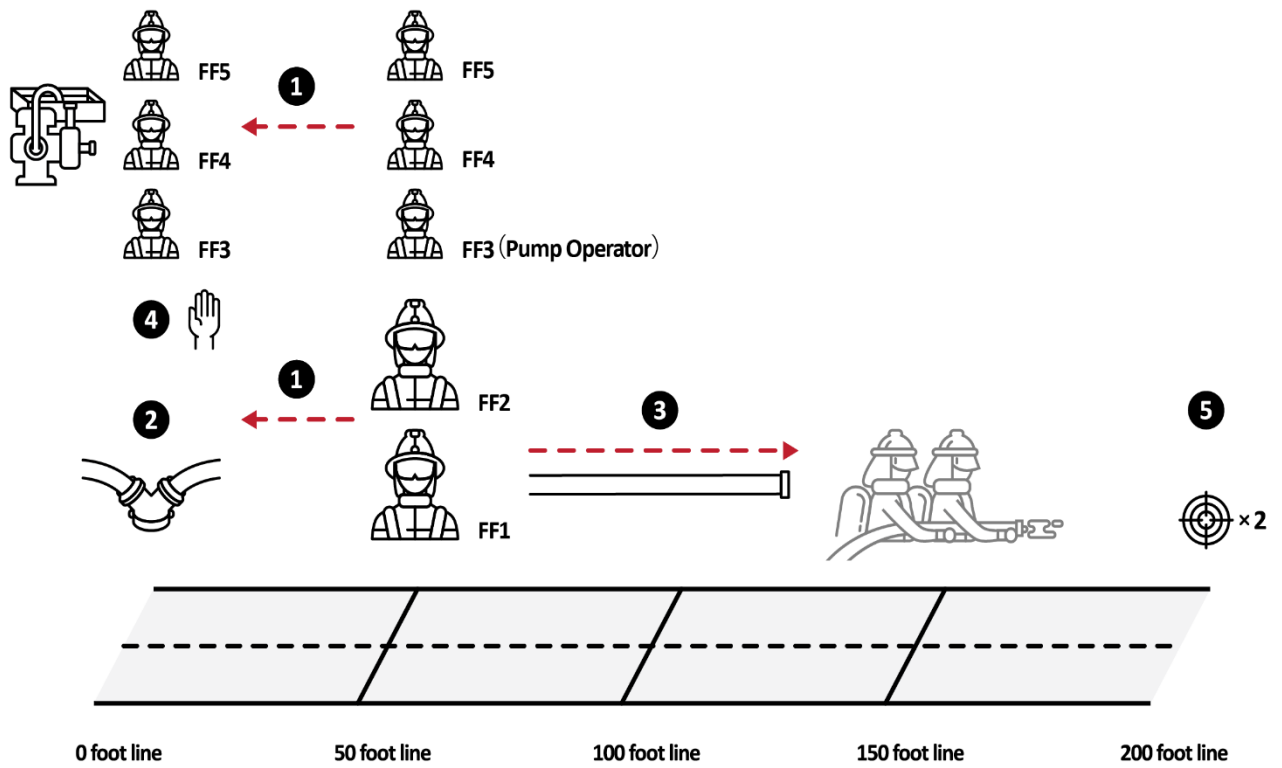


## 5 - Portable Pump Dual /38mm Attack Line

Objective: Advance two 38mm, attack line 45 meters in length, discharge water and hit a targets using the proper fire stream.

### The Drill

- ❖ Firefighters start at the 50 foot line.
- ❖ At the word 'GO' firefighters proceed to the 0 line where a portable tank is and a portable pump already connected with the 2 ½ hose hard suction from the tank to the portable pump.
- ❖ Two teams of FF1 and 2 will connect 2 X 45 meters of 38mm hose line with a gated wye and nozzles then advance to the 150-foot line. (45 meters)
- ❖ The nozzle person or the backup person signals for water.
- ❖ The pump operator engages the portable pump.
- ❖ The nozzle person opens the nozzle hits the targets at or near the 200 foot line.
- ❖ Time stops when the both targets are hit.





Portable Pump Dual /38mm Attack Line			
Team Members: 5		SCBA: 0	
Deductions			
Error	Number of occurrences	Seconds added for each error occurrence	Total penalty time added
Running		x 10 =	
Not Using Full Protective Clothing		(x2) x 5 =	
Improper Hose Advancement		(x5)x 5 =	
Incorrect Fire Stream		(x2) x 10 =	
Water leaks		(x2) x 10 =	
Members Incorrectly Positioned		(x2) x 5 =	
Poor Communication for Water		(x2) x 5 =	
Incorrect Friction Loss Calculations		x 10 =	
Misuse of Equipment		x 15 =	



Total Penalty Time Incurred	
Total Penalty Time Incurred	
Actual Run Time	
Total Time	