

The job of a fire fighter is one of the most physically demanding jobs in North America. It requires high levels of cardiopulmonary endurance, muscular strength and muscular endurance. The Candidate Physical Ability Test consists of eight critical

hbc[ea]Hgf(0)

■ What is physi

Physical fitness is such as job tasks ations and to enj

■ What are the

- The major areas
- flexibility
 - cardiopulmon
 - muscular stre

- Repeat with other leg.
- Repeat sequence 2 or 3 times.

3. Knee to Chest — Diagonal

Glutes, Low Back, Hamstrings, Quadriceps, Piriformis

- Lay flat on back with knees bent.
- Grab under right thigh and pull right knee toward left chest until you feel mild tension.
- Hold for 10 seconds, then pull slightly farther until you feel slightly more tension.
- Hold this position for 10 seconds.
- Repeat with other leg.
- Repeat sequence 2 or 3 times.

4. Leg Cross

Piriformis, Glutes, Low Back

- Lay flat on back with knees bent.
- Place your right outer ankle on the top of right left thigh.
- Grab under left thigh and pull left knee toward chest until you feel mild tension.
- Hold for 10 seconds, then pull slightly farther until you feel slightly more tension.
- Hold this position for 10 seconds.
- Repeat with other leg.
- Repeat sequence 2 or 3 times

5. Side Quadricep Stretch

Quadriceps, Hip Flexors, Abdominals

Fog [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19] [20] [21] [22] [23] [24] [25] [26] [27] [28] [29] [30] [31] [32] [33] [34] [35] [36] [37] [38] [39] [40] [41] [42] [43] [44] [45] [46] [47] [48] [49] [50] [51] [52] [53] [54] [55] [56] [57] [58] [59] [60] [61] [62] [63] [64] [65] [66] [67] [68] [69] [70] [71] [72] [73] [74] [75] [76] [77] [78] [79] [80] [81] [82] [83] [84] [85] [86] [87] [88] [89] [90] [91] [92] [93] [94] [95] [96] [97] [98] [99] [100] Rdns

■ 9. Calf Stretch

Calves

- Squat down on ground with right foot slightly in front of left.
- Grasp right shin and rock forward until you feel mild tension.
- Hold for 10 seconds, then push slightly farther until you feel slightly more tension.
- Hold this position for 10 seconds.
- Repeat sequence on opposite leg.
- Repeat sequence 2 or 3 times.

■ 10. Upper Back Stretch

Upper back, Posterior

Deltoids

- Sit with legs straight in front.
- Twist your upper back crossing left arm across chest and place right

[tO].aV]Hr.PM]YcagaHYH[PQPtO].aHYH[H[HYVgecHY][[HYH[PdQ[PrQ]dHYH[PdQ].PsQ[.YrO].Y

■ **Over-Training**

Over-training addresses the body's need for adequate rest and nutrition following exercise to recuperate before the next exercise session. If recuperation is not adequate, over-training will occur. Signs of over training include: increased injury rate, increased resting heart rate, muscle soreness that does not subside after 48 hours, apathy, insomnia, loss of appetite, lack of adaptation to exercise, and loss of strength. Over-training must be avoided.

■ **Balance**

When developing a strength training program, it is important to balance muscle development by including exercises that train all major muscles groups of the body. This means that if the chest is trained so must the back; similarly if the upper body is trained so must the legs. When this principle is not followed, joints become imbalanced, and injuries occur.

■ **Cardiopulmonary Endurance Psro**

■ Muscular Strength/Endurance Program

This is a resistance program designed to improve your total body strength and endurance. This is not a bodybuilding or a power-lifting program. It is designed to prepare you specifically for the Candidate Physical Ability Test. If you are not familiar with lifting programs, have any joint pain or feel uncomfortable performing these exercises, you should seek the advice of a professional trainer.

This program is designed to be performed three days a week. This means that you will not be lifting 4 days a week. These rest days are just as important as your workout days. A critical mistake made by some applicants is over training when preparing for the Candidate Physical Ability Test. If you feel you are over training, refer back to the exercise principles, slow down your progression, reduce your overload, and allow for adequate rest between workouts.

This workout should follow the previously mentioned warm-up and stretching program. This program is designed

■ 6. DB Row

*Latisimussdorsi, Rhomboids,
Posterior Deltoids, Trapezius,
Biceps*

CPAT Events: Hose Pull, Ladder Extension, Forcible Entry, Rescue, Ceiling Breach and Pull

Pick appropriate weight to overload above muscles but not so heavy as to cause injury or failure.

- Standing to right of bench, place left knee on bench and support upper body with left (nonlifting) arm.
- Keep head in neutral position.
- Pull DB from ground into waist area with right arm.
- Lower DB back to starting position.
- Avoid twisting at waist.
- Inhale while lowering weight and exhale while lifting weight.
- Repeat sequence on opposite side.

■ 7. Leg Extension

Quadriceps

CPAT Events: Stair Climb, Hose Pull, Ladder Raise, Forcible Entry, Search, Rescue

Pick appropriate weight to overload above muscles but not so heavy as to cause injury or failure.

- Adjust machine so that backs of knees are against padding



■ **11. Abdominal Curls**

Abdominal Muscles

CPAT Events: All
Events

■ Sit on ground

■ 3. Split-Squats

Glutes, Quadriceps, Hamstrings, Calves

CPAT Events: Stair Climb, Hose Drag, Ladder Raise, Forcible Entry, Search, Rescue, Ceiling Pull and Breach

- Stand with feet together then step backward with foot about 26" behind left foot.
- Keep back straight and arms down at sides with head neutral, slowly lower right knee straight down onto the floor.
- Inhale while lowering and exhale while pushing back up into upright position.
- Forward leg should remain vertical throughout motion, with knee directly over ankle. If knee tends to move forward over the toes, adjust back foot further backward.
- Repeat with other leg.

■ 4. Chin Ups

Latissimusdoris, Rhomboids, Posterior Delts, Biceps

CPAT Events: Hose Drag, Ladder Extension, Forcible Entry, Rescue, Ceiling Pull and Breach

- Grasp horizontal bar with palms facing you and hands 6" apart.
- Hang from bar with arms fully extended.
- Pull yourself upward until your chin is above the bar.

■ 8. Abdominal Curls

Abdominal Muscles

CPAT Events: All Events

- Sit on ground with knees bent at 90 degrees.
- Keeping feet flat on floor and hands at side, slowly curl torso so chin approaches your chest. Do not raise torso to more than a 45-degree angle off the floor.
- Slowly return to slightly above your starting position, keeping tension on abdominal muscles at all times.
- Exhale while curling up and inhale while lowering torso back down.

■ 9. Swimmers

Erector Spinae (Lower back), Glutes

CPAT Events:

All Events

- Lie face down on ground with feet together.
- Place arms straight out in front of you.
- Move the right arm and left leg up at the same time.
- As you return the right arm and left leg, move the left arm and right leg up at the same time.
- Continue alternating in a moderate pace.

■ Hose Drags³

Exercise

Attach 50 feet of rope to a duffel bag to which weight has been added. Tires or cement blocks can also be used for resistance. Choose an initial resistance that enables you to perform 8 to 10 repetitions (2-minute recovery between repetitions) of the exercise sequence. This generally represents an effort that you would rate as feeling "somewhat hard."

Progression

Progressively increase the resistance to 60 to 80 pounds as fitness improves. Place the rope over your shoulder and drag the resistance a distance of 75 feet. (You should run during this phase of the event.) Immediately drop to one knee and steadily and briskly pull the rope hand-over-hand to bring the resistance into your body. A parking lot, school yard, driveway, or sidewalk can be used for training on this event.

■ Lumber Carry

Use dumbbells or plastic containers filled with sand which weigh approximately 30 pounds. Place the weights on a shelf four feet above ground level. Remove the weights, one at a time, and place them on the ground. Pick up the weights and carry them a distance of 40 feet out and 40 feet back and replace them on the shelf.

Progression

If the initial weight feels too heavy, choose a lighter weight for the initial test. Gradually increase the weight of the test item as fitness improves.



mft

leta]c]x.PwQUbY.Y[I[ePmQ]c]V]df[HYHx.PiX.cVbgfcHY[[D[X.Pa]c]x.

Progression

Gradually increase the resistance until you can successfully complete 4 repetitions (with rest interval) with 165 pounds.

■ **Ceiling Breach and Pull**

Exercise

Ceiling Breach. Tie a rope to a dumbbell or weighted knapsack placed between your legs, shoulder width apart. Grasp the rope, arms slightly away from the body with one hand at upper-thigh level and the other hand at chest level. Lift upwards and out from the body in an action that simulates thrusting a pole through an overhead ceiling. Use a resistance that feels “somewhat hard,” yet enables you to complete three sets of eight repetitions with two minutes of rest between sets.

Progression

Continued