



Pilot Proficiency Program

Level I

Level I is the most basic of the program and is characterized by the pilot becoming SAFE and Proficient in the Hover and its related phases. Pilot position for most of the maneuvers shall be from the position of Tail-in towards the pilot.

Maneuver Description

A. Take-off

The take-off should be performed straight up from the landing area, at a constant rate of climb, with little lateral deviations. Come to a complete stop without any vertical bounce or dip, and little to no lateral wobble or drifting. The landing area is defined as a 36''(1meter) diameter circle.

B. Stationary Hover

1. After the take-off, coming to a complete stop with little to no vertical bounce, dip, lateral drifting, or wobble.
2. Hold in the Stationary Hover for one (1) minute.
3. The Stationary Hover should give the appearance of being under total control.

C. Hover Laterally

1. From take-off area hover forward ten (10) feet, hold for ten (10) seconds.
2. From there hover backward twenty (20) feet, hold for ten (10) seconds.
3. From there hover forward ten (10) feet until you are over the landing area, then hover to the left ten (10) feet, hold for ten (10) seconds.
4. From there hover to the right twenty (20) feet, hold for ten (10) seconds.
5. From there hover back to the left ten (10) feet until you are over the landing area.
6. Land with the skids completely within the landing area.

D. Multiple-level Hover

1. Take-off, hover for five (5) seconds.
2. Climb straight up two (2) meters; hold for five (5) seconds.
3. Descend vertically two (2) meters; hold for five (5) seconds.
4. Land with the skids completely within the landing area.

Level I - Continued

Maneuver Description Continued

- E. 3/4 Rear View Hovering
 1. Take-off to Hover, Hold for five (5) seconds.
 2. Rotate the nose of the Helicopter either left or right forty-five (45) degrees, hold for five (5) seconds.
 3. Rotate the nose of the Helicopter back to straight ahead, hold for five (5) seconds.
 4. Continue rotating the nose of the helicopter forty-five (45) degrees to the other side, hold for five (5) seconds.
 5. Rotate the nose back to straight ahead, hold for five (5) seconds.
 6. Land with the skids completely within the landing area.

- F. Full Lateral View Hovering
 1. Same as 3/4 View Hovering, but in steps 2 and 4 rotate ninety (90) degrees instead of forty-five (45) degrees.

- G. Diagonal Hovering
 1. After take-off from the landing area within center of a 10 meter/yard box, from Stationary Hover, maintaining a constant heading, move the helicopter diagonally to a corner of the box, hold for five (5) seconds, then return to the center of the box.
 2. Repeat with the remaining 3 corners of the box.
 3. Land with the skids completely within the landing area.

- H. Circle Hovering
 1. Tail-in Circle
 - a. Take-off, hold hover for five (5) seconds.
 - b. Move the helicopter to the right; keeping the tail pointed at the pilot, in a circle around the pilot, until the helicopter is hovering over the take-off point.
 - c. Move the Helicopter to the left, repeating step b above.
 - d. Land with the skids completely within the landing area.

 2. Constant Heading Circle
 - a. Take-off, hold hover for five (5) seconds.
 - b. Move the helicopter to the right, keeping the tail pointed in the same direction; complete a ten (10) meter circle in front of the pilot until the helicopter is hovering over the take-off point.
 - c. Move the Helicopter to the left, repeating step b above.
 - d. Land with the skids completely within the landing area.