

Level III is an advanced intermediate level of proficiency and completion of this level takes the pilot to the level of a pilot capable of performing all Upright Flight skills. Intrinsic to this level is successfully completing all components of both Level II, and I and then advancing to the ability to control the Helicopter in all upright orientations.

**Maneuver Description**

A. Complete Level I & II

B. Nose-in - Hover

1. Take-off from the landing area (a 36" or 1 meter circle) to an eye-level hover; hold momentarily.
2. Either Pirouette or Fly and stop in the Nose-in condition, the preferred method is to Pirouette to nose-in.
3. Hold in the Stationary Nose-in Hover for one (1) minute.
4. The Stationary Hover should give the appearance of being under total control.
5. Land with the skids completely within the landing area.

C. Nose-in - Circle

1. Take-off, move into a Nose-in Hover, hold hover for five (5) seconds.
2. Move the helicopter to the right, keeping the tail pointed away from the pilot, in a circle around the pilot, until the helicopter is hovering over the take-off point.
3. Move the Helicopter to the left, repeating step 2 above.

D. Nose-in - Take-off

1. With the Helicopter in the landing area, and the pilot standing a SAFE distance, in front of the helicopter.
2. Take-off into a Nose-in hover

E. Nose-in - Landing

1. From a Stationary Nose-in Hover.
2. Land while still Nose-in, with the skids completely within the landing area.

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**Maneuver Description**                      Continued

F. Basic Aerobatics (Unusual Attitudes Training)

1. 540 Stall Turn
  - a. Start by performing a Stall Turn similar to that in Level II.
  - b. Instead of rotating the helicopter only 180 degrees this time rotate the helicopter 540 degrees (1-1/2 revolutions).
  - c. This maneuver must be done both to the right and the left of the pilot.
2. Horizontal Roll
  - a. Helicopter flying straight and level.
  - b. Then rolls slowly through one (1) complete revolution.
  - c. This maneuver must be done from the right to the left and from the left to the right.
3. Immelmann Turn
  - a. Helicopter flying straight and level.
  - b. Then perform 1/2 loop, to inverted.
  - c. Then helicopter performs 1/2 roll to upright.
  - d. Fly straight and level.
  - e. This maneuver must be done starting from both the right and the left of the pilot.
4. 1/2 Cuban Eight
  - a. Helicopter flying straight and level.
  - b. Then perform 5/8 loop, helicopter should be inverted on a 45 degree down line.
  - c. Then helicopter performs 1/2 roll to upright.
  - d. Level out and fly straight and level.
  - e. This maneuver must be done starting from both the right and the left of the pilot.
5. Loop w/Pirouette at the Top
  - a. Start by performing a Loop similar to that in Level II.
  - b. When the helicopter is inverted add enough negative pitch to support the helicopter and remove the Aft cyclic control.
  - c. Perform a Pirouette while inverted.
  - d. Complete the Loop as normal.
  - e. This maneuver must be done once with the Pirouette to the right and once with the Pirouette to the left.

**Maneuver Description**              Continued

F. Basic Aerobatics - Continued

6. Flying Circle

- a. Starting from a tail-in hover, rotate the helicopter 90 degree.
- b. Fly in a circle back to the starting point, while maintaining constant altitude, and speed.
- c. This maneuver must be done circling both clockwise and counter-clockwise.

7. Figure of Eight - Nose-In, Tail-In

- a. Take-off to eye-level, hold momentarily, hover the helicopter out to a SAFE distance and height before starting this maneuver.
- b. While maintaining constant altitude, speed and heading begin a circle to either the right or the left with the tail of the helicopter pointing to the center of the circle.
- c. As the helicopter reaches the starting point continue hovering, but in a circle in the opposite direction from before and with the nose of the helicopter pointing to the center of the circle.
- d. This maneuver must be done starting the nose-in circle both clockwise and counter-clockwise.

8. Autorotation Landing

- a. Starting from an altitude of no less than twenty (20) meters and on a heading parallel to the flight line, start your Autorotation.
- b. Try for a smooth constant rate of descent directly to a one (1) meter landing circle.
- c. The tail blades must stop before the helicopter touches the ground.
- d. All of the helicopters landing skids must be within the landing circle.
- e. This maneuver must be done starting from the right and from the left of the pilot. The pilot may stand anywhere they wish during this maneuver.

Witness #1

Witness #2

A. Completed Level I & II

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B. Nose-in - Hover

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C. Nose-in - Circle

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D. Nose-in - Take-off

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E. Nose-in - Landing

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F. Basic Aerobatics

1. 540 Stall Turn

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2. Horizontal Roll

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3. Immelmann Turn

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4. ½ Cuban Eight

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5. Loop w/Pirouette at the Top

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6. Flying Circle

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7. Figure of Eight - Nose-in, Tail-in

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8. Autorotation Landing

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Name: \_\_\_\_\_ IRCHA #: \_\_\_\_\_ Date: \_\_\_\_\_

Helicopter(s), Engine & radio used for this Level: \_\_\_\_\_

\_\_\_\_\_  
Email: \_\_\_\_\_

Witness #1: \_\_\_\_\_ IRCHA #: \_\_\_\_\_ PPP Level: \_\_\_\_\_

Witness #2: \_\_\_\_\_ IRCHA #: \_\_\_\_\_ PPP Level: \_\_\_\_\_

\*\*\* Please keep a copy of this for your records \*\*\*

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