

RCHN PPP Level 1: Beginner (9 Maneuvers/9 Cumulative)

Maneuver ID	Title	Description	Variations
1.1	Take-Off (Tail-In)	Take off straight up from the landing area with a constant rate of climb and minimal lateral movement. Come to a complete stop at a height of approximately 3 feet (1 meter) without any vertical movement and minimal lateral movement.	N/A
1.2	Stationary Hover (Tail-In)	Hold a stationary hover with no vertical or lateral movement and hold for 1 minute.	N/A
1.3	Lateral Hovering (Tail-In)	From landing area take-off, hover for 10 seconds, move forward 10 feet (3 meters) and hover for 10 seconds, then move backward 20 feet (6 meters) and hover for 10 seconds. Next, move forward 10 feet (3 meters) until you are over the landing area and hover for 10 seconds, then move 10 feet (3 meters) to the left and hover for 10 seconds, move 20 feet (6 meters) to the right and hover for 10 seconds, and finally move 10 feet (3 meters) to the left until you are over the landing area and hover for 10 seconds, then land with the skids completely within the landing area. If you have done this correctly, the model should trace out a cross shape with the landing area at the center.	N/A
1.4	Multi-Level Hover (Tail-In)	Take off and hover at 3 feet (1 meter) for 5 seconds, then climb straight up 6 feet (2 meters) and hover for 5 seconds. Next, descend 6 feet (2 meters) back to the original hover height and hover for 5 seconds and finally land the model with the skids completely within the landing area.	N/A
1.5	45-Degree Side Hovering	Take off to a stationary hover at 3 feet (1 meter) for 5 seconds, rotate the nose of the model 45 degrees to the left and hover for 5 seconds, then rotate the nose of the model 45 degrees to the right and back to the original tail-in orientation and hover for 5 seconds. Next rotate the nose of the model 45 degrees to the right and hover for 5 seconds, and finally rotate the nose of the model 45 degrees left and back to the original tail-in orientation, hover for 5 seconds, and land with skids completely in the landing area.	N/A
1.6	90-Degree Side Hovering (Side-In)	Take off to a stationary hover at 3 feet (1 meter) for 5 seconds, rotate the nose of the model 90 degrees to the left and hover for 5 seconds, then rotate the nose of the model 90 degrees to the right and back to the original tail-in orientation and hover for 5 seconds. Next rotate the nose of the model 90 degrees to the right and hover for 5 seconds, and finally rotate the nose of the model 90 degrees left and back to the original tail-in orientation, hover for 5 seconds, and land with skids completely in the landing area.	N/A
1.7	Diagonal Hovering (Tail-In)	From landing area take-off, hover for 5 seconds, then move the model diagonally to the front-left corner of an imaginary 30-foot (10-meter) box, hover for 5 seconds, and then return to the center of the box and hover for 5 seconds. Repeat this with the remaining 3 corners of the box in a clockwise fashion.	N/A
1.8	Constant-Heading Circle (Tail-In)	From landing area take-off, hover for 5 seconds, move the model forward 15 feet (5 meters) and then move the model in a clockwise circle 30 feet (10 meters) in diameter while keeping the model in the tail-in orientation. Stop where you began the circle and hover for 5 seconds, then move backward to the landing area and hover for 5 seconds before landing with skids completely within the landing area. Repeat the same maneuver in a counter-clockwise manner.	CW, CCW