

RCHN PPP Level 4: Advanced Sport (34 Maneuvers/89 Cumulative)

Maneuver ID	Title	Description	Variations
4.0	Level 3	Complete Levels 1-3.	N/A
4.1	Sustained Inverted Flight	With the model inverted, fly at least 1 clockwise and 1 counter-clockwise circuit around the flying field.	CW, CCW
4.2	Sustained Inverted Hover	With the model inverted and no more than 30 feet (10 meters) above the landing area, hover tail-in and hold for 10 seconds. Repeat nose-in, side-in left, and side-in right.	Tail-In, Nose-In, Nose-Left, Nose-Right
4.3	Inverted Pirouettes	From a stationary inverted hover, turn the nose of the model 360 degrees either right or left while maintaining constant altitude and control. Repeat in the opposite direction.	CW, CCW
4.4	Inverted Figure 8	From level inverted flight parallel to the flight line from right to left, execute a 225-degree right turn to enter the Figure 8. This will cause the model to cross in front of the pilot at a 45-degree right-side nose-in orientation at which point the model should be turned 270 degrees left to complete the right side of the Figure 8 and end up back in the center. Repeat in opposite (reverse start) direction.	Forward (Tail-In), Reverse (Nose-In)
4.5	Two Consecutive Stationary Rolls	With the model hovering tail-in at a safe distance, flip the model to right while maintaining constant altitude and heading until it has completed two rolls. Repeat to the left and in nose-in.	Tail-In/Left, Tail-In/Right, Nose-In/Left, Nose-In/Right
4.6	180-Degree Autorotation	Starting from an altitude of no less than 60 feet (20 meters) and on a heading parallel to the flight line, start the autorotation. Maintain a smooth and constant rate of descent directly to a 6-foot (2-meter) landing circle located 20 feet (6 meters) in front of you. The model must complete a 180-degree turn after the autorotation started. The skids of the model must be entirely within the landing circle. The maneuver must be done starting from the right and from the left and the turn must be done both clockwise and counter-clockwise.	Left-Side/Left-Turn, Left-Side/Right-Turn, Right-Side/Left-Turn, Right-Side/Right-Turn
4.7	Forward Flips	With the model hovering tail-in at a safe distance, flip forward to an inverted nose-in hover and hold for 5 seconds then flip forward to a tail-in hover and hold for 5 seconds. Repeat from nose-in.	Tail-In, Nose-In, Nose-Left, Nose-Right
4.8	Backward Flips	With the model hovering tail-in at a safe distance, flip backward to an inverted nose-in hover and hold for 5 seconds then flip backward to a tail-in hover and hold for 5 seconds. Repeat from nose-in.	Tail-In, Nose-In, Nose-Left, Nose-Right
4.9	Side Flips	With the model hovering tail-in at a safe distance, flip sideways to an inverted tail-in hover and hold for 5 seconds then flip sideways to a tail-in hover and hold for 5 seconds. Repeat from nose-in and in opposite direction.	Tail-In/Left, Tail-In/Right, Nose-In/Left, Nose-In/Right
4.10	Two Consecutive Stationary Flips	With the model hovering tail-in at a safe distance, flip the model forward while maintaining constant altitude and heading until it has completed two flips. Repeat backward and in nose-in.	Tail-In/Forward, Tail-In/Backward, Nose-In/Forward, Nose-In/Backward