

ANNEX 5M**F3P – RADIO CONTROLLED INDOOR AEROBATIC AIRCRAFT****DESCRIPTION OF MANOEUVRES****Preliminary Manoeuvres – Schedule F3P-AP-19 (2018-2019)****AP-19.01 Square Loop with $\frac{1}{4}$ roll, $\frac{1}{2}$ roll, $\frac{1}{4}$ roll**

From upright, pull through a $\frac{1}{4}$ loop into a vertical upline, perform a $\frac{1}{4}$ roll, perform a $\frac{1}{4}$ knife-edge loop into a knife-edge horizontal line, perform a $\frac{1}{2}$ roll, perform a $\frac{1}{4}$ knife-edge loop into a vertical downline, perform a $\frac{1}{4}$ roll, pull through a $\frac{1}{4}$ loop, exit upright.

AP-19.02 Half Reverse Knife-Edge Cuban Eight

From upright, pull through a $\frac{1}{8}$ loop into a 45° upline, perform a $\frac{1}{4}$ roll, perform $\frac{5}{8}$ knife-edge loop perform a $\frac{1}{4}$ roll, exit upright.

AP-19.03 Horizontal Eye Catcher with $\frac{3}{4}$ rolls integrated

From upright, perform two consecutive $\frac{3}{4}$ circles while integrating a $\frac{3}{4}$ roll into the first $\frac{3}{4}$ circle and a second $\frac{3}{4}$ roll in opposite direction into the second $\frac{3}{4}$ circle, exit upright.

AP-19.04 Double Humpty Bumps with $\frac{3}{4}$ torque rolls

From upright, pull through a $\frac{1}{4}$ loop into a vertical upline, perform a $\frac{3}{4}$ torque roll, pull through a $\frac{1}{2}$ loop into a vertical downline, push through a $\frac{1}{4}$ loop into inverted flight, push through a $\frac{1}{4}$ loop into a vertical upline, perform a $\frac{3}{4}$ torque roll, push through a $\frac{1}{2}$ loop into a vertical downline, push through a $\frac{1}{4}$ loop, exit inverted.

AP-19.05 Knife-Edge Roll Combination with $\frac{1}{4}$ roll, four consecutive $\frac{1}{8}$ rolls, $\frac{1}{4}$ roll

From inverted, perform a $\frac{1}{4}$ roll into sustained knife-edge flight, perform consecutively four $\frac{1}{8}$ rolls in opposite direction, into sustained knife-edge flight, perform a $\frac{1}{4}$ roll, exit inverted.

AP-19.06 Half Square Loop with two consecutive opposite $\frac{1}{2}$ rolls

From inverted, push through a $\frac{1}{4}$ loop into a vertical upline, perform consecutively two $\frac{1}{2}$ rolls in opposite direction, push through a $\frac{1}{4}$ loop, exit upright.

AP-19.07 Eye Catcher with $\frac{1}{2}$ rolls integrated

From upright, push through a $\frac{3}{4}$ loop while integrating a $\frac{1}{2}$ roll into the first 180 degrees of the $\frac{3}{4}$ loop, push through a second $\frac{3}{4}$ loop while integrating a $\frac{1}{2}$ roll into the last 180 degrees of the $\frac{3}{4}$ loop, exit upright.

AP-19.08 Figure M with $\frac{1}{2}$ rolls

From upright, pull through a $\frac{1}{4}$ loop into a vertical upline, perform a $\frac{1}{2}$ roll, perform a stall turn into a vertical downline, perform a $\frac{1}{2}$ knife edge loop into a vertical upline, perform a $\frac{1}{2}$ roll, perform a stall turn into a vertical downline, pull through a $\frac{1}{4}$ loop, exit upright.

AP-19.09 Horizontal Square with $\frac{3}{4}$ roll, two consecutive $\frac{1}{4}$ rolls, $\frac{1}{2}$ roll, two consecutive $\frac{1}{4}$ rolls, $\frac{1}{4}$ roll

From upright, perform a $\frac{3}{4}$ roll in the centre, perform a $\frac{1}{4}$ knife edge circle, perform consecutively two $\frac{1}{4}$ rolls, perform a $\frac{1}{4}$ knife edge circle, perform a $\frac{1}{2}$ roll, perform a $\frac{1}{4}$ knife edge circle, perform consecutively two $\frac{1}{4}$ rolls, perform a $\frac{1}{4}$ knife edge circle, perform a $\frac{1}{4}$ roll, exit inverted.

AP-19.10 Corner Combination with $\frac{3}{4}$ roll

From inverted perform a $\frac{1}{4}$ circle with wing level into a cross box line, push through a $\frac{1}{4}$ loop into a vertical upline, perform a $\frac{3}{4}$ roll, push through a $\frac{1}{4}$ loop, exit upright.

AP-19.11 Triangle Loop with $\frac{1}{4}$ roll, $\frac{1}{4}$ roll

From upright, push through a $\frac{3}{8}$ loop into a 45° downline, perform a $\frac{1}{4}$ roll into knife edge, perform a $\frac{1}{4}$ knife edge loop into a 45° upline, perform a $\frac{1}{4}$ roll push through a $\frac{3}{8}$ loop, exit upright.

The Aresti diagrams appear overleaf.