

ANNEX 5M
F3P – RADIO CONTROLLED INDOOR AEROBATIC AIRCRAFT
DESCRIPTION OF MANOEUVRES

ADVANCED SCHEDULE F3P AA-27 (2026-2027)

AA-27.01 Reverse Cuban Eight from Top with half roll, half roll

From inverted, before centre, pull through a $\frac{1}{8}$ loop into a 45° degree downline, perform a $\frac{1}{2}$ roll, pull through a $\frac{3}{4}$ loop, into a 45° downline, perform a $\frac{1}{2}$ roll, pull through a $\frac{5}{8}$ loop, exit inverted

AA-27.02 Corner Combination with quarter roll,

From inverted, pull through a $\frac{1}{4}$ loop into a vertical downline, perform a $\frac{1}{4}$ roll, pull through a $\frac{1}{4}$ loop, perform a $\frac{1}{4}$ circle with wing level, exit upright.

AA-27.03 Horizontal Square with half, roll, half roll

From upright, fly past center, perform a $\frac{1}{4}$ circle with wing level, perform a half roll, perform a $\frac{1}{4}$ knife edge circle with wing level, perform a $\frac{1}{4}$ circle with wing level, perform a $\frac{1}{2}$ roll, perform a $\frac{1}{4}$ circle with wing level, exit upright

AA-27.04 Half Circle with half roll integrated

From upright, perform a $\frac{1}{2}$ horizontal circle while integrating a $\frac{1}{2}$ roll, exit inverted.

AA-27.05 Torque Roll

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

AA-27.06 Half Hourglass with half roll, half roll

From inverted, pull through a $\frac{1}{8}$ loop into a forty-five-degree downline, perform a $\frac{1}{2}$ roll, pull through a $\frac{3}{8}$ loop into a vertical upline, pull through $\frac{3}{8}$ loop into a forty-five-degree downline, perform a half roll, pull through a $\frac{1}{8}$ loop, exit upright.

AA-27.07 Loop with half roll integrated in the first 180 degrees

From upright, pull through a $\frac{1}{2}$ loop, while integrating a $\frac{1}{2}$ roll, immediately push through another $\frac{1}{2}$ loop, exit inverted.

AA-27.08 Double Humpty Bump with quarter roll, quarter roll

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

AA-27.09 Roll Combination with two consecutive quarter rolls, two consecutive quarter rolls opposite

From upright, perform consecutively two $\frac{1}{4}$ rolls, perform consecutively two $\frac{1}{4}$ rolls in opposite direction, exit upright.

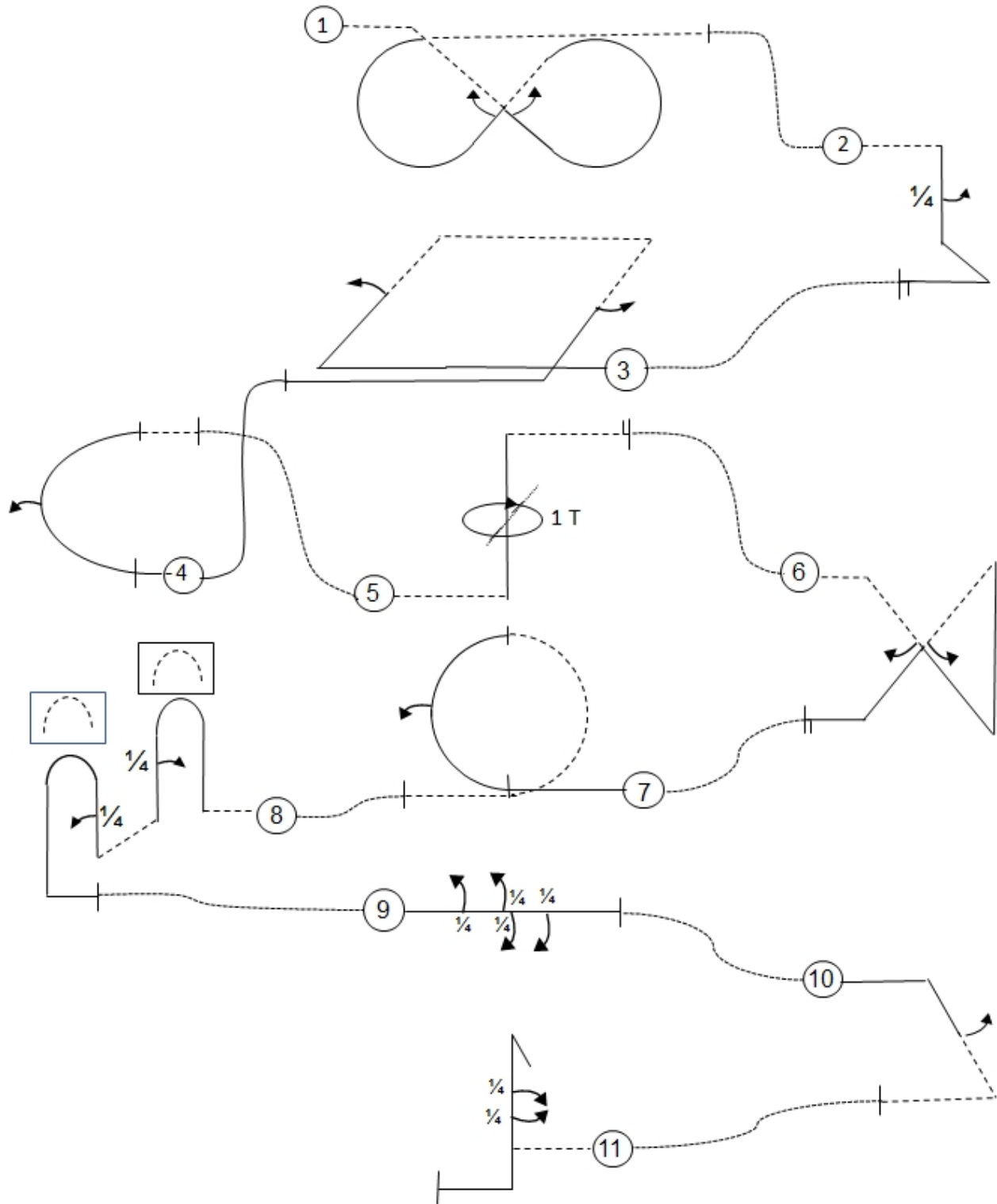
AA-27.10 Horizontal Half Square with half roll

From upright, perform a $\frac{1}{4}$ circle with wing level, perform a $\frac{1}{2}$ roll, perform a $\frac{1}{4}$ circle with wing level towards the centre, exit inverted.

AA-27.11 Stall turn with quarter roll, quarter roll

From inverted, push through a $\frac{1}{4}$ loop into a vertical upline, perform a $\frac{1}{4}$ roll, perform a stall turn into a vertical downline, perform a $\frac{1}{4}$ roll, pull through a $\frac{1}{4}$ loop, exit upright

Advanced Schedule F3P AA-27 (2026 – 2027)



PRELIMINARY SCHEDULE F3P AP-27 (2026-2027)

AP-27.01 Reverse Cuban Eight from Top with half roll, half roll integrated, half roll, half roll integrated

From inverted, before centre, pull through a $\frac{1}{8}$ loop into a 45° degree downline, perform a $\frac{1}{2}$ roll, pull through a $\frac{1}{8}$ loop, immediately pull through a $\frac{1}{2}$ loop, while integrating a $\frac{1}{2}$ roll, immediately push through a $\frac{1}{8}$ loop into a 45° downline, perform a $\frac{1}{2}$ roll, push through a $\frac{1}{8}$ loop, immediately push through $\frac{1}{2}$ loop while integrating a $\frac{1}{2}$ roll, exit inverted

AP-27.02 Corner Combination with quarter roll, half roll integrated

From inverted, pull through a $\frac{1}{4}$ loop into a vertical downline, perform a $\frac{1}{4}$ roll, push through a $\frac{1}{4}$ loop, perform a $\frac{1}{4}$ circle, while integrating a $\frac{1}{2}$ roll, exit upright.

AP-27.03 Horizontal Square with quarter roll, half, roll, half roll, half roll, quarter roll

From upright, in the centre perform a $\frac{1}{4}$ roll into knife edge-flight, push through a $\frac{1}{4}$ knife edge circle, perform a half roll, pull through a $\frac{1}{4}$ knife edge circle, perform a $\frac{1}{2}$ roll, push through a $\frac{1}{4}$ knife edge circle, perform a half roll, pull through a $\frac{1}{4}$ knife edge circle, perform a $\frac{1}{4}$ roll, exit upright.

AP-27.04 Half Circle with four consecutive quarter rolls

From upright, perform a $\frac{1}{2}$ horizontal circle while integrating consecutively four $\frac{1}{4}$ rolls, exit upright.

AP-27.05 Two consecutive half Torque Rolls

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

AP-27.06 Half Hourglass with half roll, two consecutive quarter rolls, half roll

From upright, push through a $\frac{1}{8}$ loop into a forty-five-degree downline, perform a $\frac{1}{2}$ roll, push through a $\frac{3}{8}$ loop into a vertical upline, perform consecutively two $\frac{1}{4}$ rolls, pull through $\frac{3}{8}$ loop into a forty-five-degree downline, perform a half roll, pull through a $\frac{1}{8}$ loop, exit upright.

AP-27.07 Loop with quarter roll integrated, quarter roll integrated

From upright, pull through a $\frac{1}{4}$ loop, while integrating a $\frac{1}{4}$ roll, immediately perform a $\frac{1}{2}$ knife edge loop towards the centre, immediately pull through a $\frac{1}{4}$ loop, while integrating a $\frac{1}{4}$ roll, exit upright.

AP-27.08 Double Humpty Bump with half roll, two consecutive quarter rolls, half roll

From upright, pull through a $\frac{1}{4}$ loop into a vertical upline, perform a $\frac{1}{2}$ roll, pull or push through a half loop into a vertical downline, perform a $\frac{1}{4}$ knife-edge loop, perform consecutively two $\frac{1}{4}$ rolls in opposite direction, perform a $\frac{1}{4}$ knife edge loop into a vertical upline, perform a $\frac{1}{2}$ roll, pull or push through a $\frac{1}{2}$ loop into a vertical downline, pull through a $\frac{1}{4}$ loop, exit upright.

AP-27.09 Roll Combination with two consecutive one eighth rolls, half roll opposite, two consecutive one eighth rolls opposite to the half roll

From upright, perform consecutively two $\frac{1}{8}$ rolls, perform a $\frac{1}{2}$ roll in opposite direction, perform consecutively two $\frac{1}{8}$ rolls in opposite direction to the $\frac{1}{2}$ roll, exit upright.

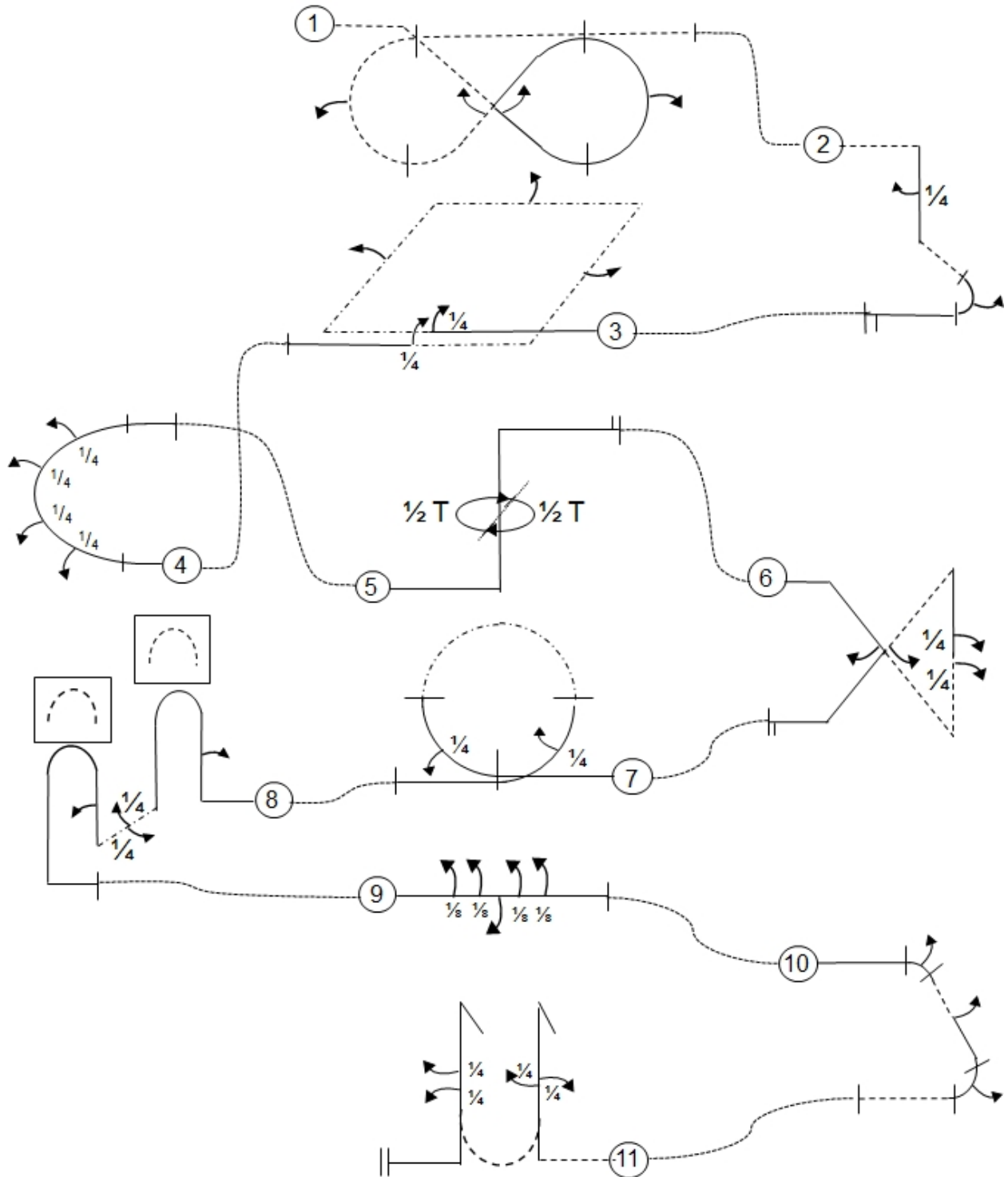
AP-27.10 Horizontal Half Square with integrated half roll, half roll, integrated half roll

From upright, perform a $\frac{1}{4}$ circle, while integrating a $\frac{1}{2}$ roll, perform a $\frac{1}{2}$ roll, perform a $\frac{1}{4}$ circle towards the centre, while integrating a $\frac{1}{2}$ roll, exit inverted.

AP-27.11 Figure M with quarter roll, quarter roll, quarter roll, quarter roll

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

Preliminary Schedule F3P AP-27 (2026 – 2027)



FINAL SCHEDULE F3P AF-27 (2026-2027)

AF-27.01 Horizontal Square on Corner Eight with half roll, quarter roll, quarter roll, half roll, quarter roll, quarter roll, half roll

From upright, on center, perform a $\frac{1}{2}$ roll, push through a $\frac{1}{8}$ loop into a 45° upline, perform a $\frac{1}{4}$ roll into a 45° knife-edge upline, perform a $\frac{1}{4}$ knife edge loop towards the centre into a 45° knife edge upline, perform a $\frac{1}{4}$ roll into a 45° upline in inverted flight, pull through a $\frac{1}{4}$ loop into a 45° downline perform a $\frac{1}{2}$ roll, pull through a $\frac{1}{4}$ loop into a 45° upline, perform a $\frac{1}{4}$ roll into a 45° knife-edge upline, perform a $\frac{1}{4}$ knife-edge loop towards the centre into a 45° knife-edge upline, perform a $\frac{1}{4}$ roll into a 45° upline in upright flight, push through a $\frac{1}{4}$ loop into a 45° downline, perform a $\frac{1}{2}$ roll, push through a $\frac{1}{8}$ loop, exit inverted.

AF-27.02 Double Stall Turn with two consecutive quarter rolls, quarter roll, half roll, quarter roll

From inverted, push through a $\frac{1}{4}$ loop into a vertical upline, perform consecutively two $\frac{1}{4}$ rolls, perform a stall turn into a vertical downline, perform a $\frac{1}{4}$ roll, pull through a $\frac{1}{4}$ loop into a crossbox line, perform a $\frac{1}{2}$ roll, push through a $\frac{1}{4}$ loop into a vertical upline, perform a $\frac{1}{4}$ roll, perform a stall turn into a vertical downline, push through a $\frac{1}{4}$ loop, exit inverted.

AF-27.03 Rolling Circle Rolling Loop Combination with half roll integrated, roll integrated, half roll integrated

From inverted, in the centre, perform a $\frac{1}{4}$ circle while integrating a half roll to the inside, pull through a $\frac{1}{4}$ loop, into a half knife-edge loop while integrating a roll, pull through a $\frac{1}{4}$ loop, perform a $\frac{1}{4}$ circle while integrating a $\frac{1}{2}$ roll to the outside, exit inverted

Note: There are no straight lines in the manoeuvre (except entry and exit line). The Radii of the $\frac{1}{4}$ loops are smaller than the radius of the rolling loop.

AF-27.04 Corner Combination with half roll integrated, quarter roll, half roll integrated

From inverted, perform a $\frac{1}{4}$ circle into a crossbox line, while integrating a $\frac{1}{2}$ roll, pull through $\frac{1}{4}$ loop into a vertical upline, perform a $\frac{1}{4}$ roll, pull through a $\frac{1}{4}$ loop, while integrating a $\frac{1}{2}$ roll, exit upright.

AF-27.05 Pushed Loop with quarter roll integrated, quarter roll integrated

From upright, push through a $\frac{1}{4}$ loop with integrated $\frac{1}{4}$ roll, followed by a half knife-edge loop and a $\frac{1}{4}$ loop with integrated $\frac{1}{4}$ roll, exit upright.

AF-27.06 Half Square Loop with Triangle, half roll, quarter roll, quarter roll

From upright, push through a $\frac{1}{4}$ loop into a vertical downline, perform a $\frac{1}{2}$ roll, pull through a $\frac{3}{8}$ loop into a 45° upline, perform a $\frac{1}{4}$ roll, perform a $\frac{1}{4}$ knife-edge loop into a 45° knife-edge upline, perform a $\frac{1}{4}$ roll into upright flight, push through a $\frac{3}{8}$ loop into a vertical downline, push through a $\frac{1}{4}$ loop, exit inverted.

AF-27.07 Forty Five Degree Knife Edge Crossbox Line with quarter roll integrated, two consecutive one eighth rolls, two consecutive one eighth rolls in opposite direction, quarter roll integrated

From inverted, perform a $\frac{1}{8}$ circle with integrated $\frac{1}{4}$ roll into a knife-edge 45° degree crossbox line, perform consecutively two $\frac{1}{8}$ rolls, followed by two consecutive $\frac{1}{8}$ rolls in opposite direction, perform a $\frac{1}{4}$ circle with integrated $\frac{1}{4}$ roll, exit inverted.

AF-27.08 Two Half Loops with Crossbox Line with half roll integrated, quarter roll integrated, quarter roll integrated, half roll integrated

From inverted, push through a $\frac{1}{2}$ loop ending towards the centre, while integrating a $\frac{1}{2}$ roll, perform a $\frac{1}{4}$ circle with $\frac{1}{4}$ roll integrated into a knife-edge crossbox line, perform a $\frac{1}{4}$ circle ending towards the centre with integrated $\frac{1}{4}$ roll, pull through a half loop, while integrating a $\frac{1}{2}$ roll, exit inverted.

AF-27.09 Square Loop with quarter roll, three quarter torque roll, quarter roll, quarter roll

From inverted, perform a $\frac{1}{4}$ roll on centre into knife-edge flight, perform a $\frac{1}{4}$ knife edge loop into a vertical upline, perform a $\frac{3}{4}$ torque roll, pull through a $\frac{1}{4}$ loop, perform a $\frac{1}{4}$ roll, perform a $\frac{1}{4}$ knife-edge loop into a vertical downline, perform a quarter roll, pull through a $\frac{1}{4}$ loop, exit upright.

AF-27.10 Double Shark Fin with quarter roll, quarter roll half forty Five degree circle, quarter roll, quarter roll.

From upright, pull through a $\frac{1}{4}$ loop into a vertical upline, perform a $\frac{1}{4}$ roll, perform a $\frac{3}{8}$ knife edge loop towards the centre into a 45° downline, perform a $\frac{1}{4}$ roll, perform a half 45° circle in inverted flight with wing level into a 45° degree upline, perform a $\frac{1}{4}$ roll, perform a $\frac{3}{8}$ knife-edge loop away from the centre into a vertical downline, perform a $\frac{1}{4}$ roll, push through a $\frac{1}{4}$ loop, exit inverted.

AF-27.11 Double Key with quarter roll, quarter roll, quarter roll, quarter roll

From inverted, push through a $\frac{1}{4}$ loop into a vertical upline, perform a $\frac{1}{4}$ roll, perform a $\frac{5}{8}$ knife-edge loop away from the centre into a 45° downline, perform a $\frac{1}{4}$ roll, push through a $\frac{1}{4}$ loop into a 45° upline, perform a $\frac{1}{4}$ roll, perform a $\frac{5}{8}$ knife-edge loop towards the centre into a vertical downline, perform a $\frac{1}{4}$ roll, pull through a $\frac{1}{4}$ loop, exit upright.

Final Schedule F3P AF-27 (2026 – 2027)

