ANNEX 5M

F3P – RADIO CONTROLLED AEROBATIC MODEL AIRCRAFT

DESCRIPTION OF MANOEUVRES

Preliminary Manoeuvres – Schedule F3P-AP-15 (2014-2015)

AP-15.01 Square Reverse Cuban Eight with roll up, two consecutive ¼ rolls up

From upright, pull into through a ⅛ loop into a 45° upline, perform a roll, push through a ¼ loop into a 45° downline, push through a ¼ loop into another 45° downline, push through a ¼ loop into a 45° upline, perform consecutively two ¼ rolls, push through a ¼ loop into a 45° downline, push through a 45° loop into another 45° downline, push through a ⅛ loop, exit inverted.

AP-15.02 Knife-Edge Trombone with ¼ roll up, ¼ roll down

From inverted, push into a 45° upline, perform a ¼ roll, push through a ½ circle into a 45° downline, perform a ¼ roll, pull through a ⅛ loop, exit upright.

AP-15.03 Loop with two rolls in opposite directions integrated

From upright, perform a loop while performing a roll integrated in the first 180°, immediately followed by another roll in opposite direction integrated in the second 180°, exit upright.

AP-15.04 Camel Humpty-Bump with ¼ roll up, ¼ roll down

From upright, pull through a ¼ loop into a vertical upline, perform a ¼ roll, push through a ½ loop into a vertical downline, pull through a ½ loop into a vertical upline, push through a ½ loop into a vertical downline, perform a ¼ roll, push through a ¼ loop, exit inverted.

AP-15.05 Eight Consecutive ⅛ rolls

From inverted, perform consecutively eight ⅛ rolls, exit inverted.

AP-15.06 Stall-Turn with two consecutive ½ rolls in opposite directions up, ½ roll down

From inverted, push through a ¼ loop into a vertical upline, perform consecutively two ½ rolls in opposite directions, perform a stall turn into a vertical downline, perform a ½ roll, pull through a ¼ loop, exit upright.

AP-15.07 Knife-Edge Top Hat with ¾ roll up, ¼ roll down

From upright, pull through a ¼ loop into a vertical upline, perform a ¾ roll, perform a ¼ knife-edge loop into a horizontal knife-edge flight, perform a ½ roll, perform ¼ knife-edge loop into a vertical downline, perform a ¼ roll, push through a ¼ loop, exit inverted.

AP-15.08 Half Cuban Eight with roll down

From inverted, push through a 5/8 loop into a 45° downline, perform a roll, pull through a ⅛, exit upright.

AP-15.09 Horizontal Circle with two consecutive rolls integrated

From upright perform a horizontal circle while performing two consecutive rolls integrated in each 180° with roll direction to the inside, exit upright.

AP-15.10 Half Horizontal Knife-Edge Circle with ¼ roll, ½ roll integrated, ¼ roll
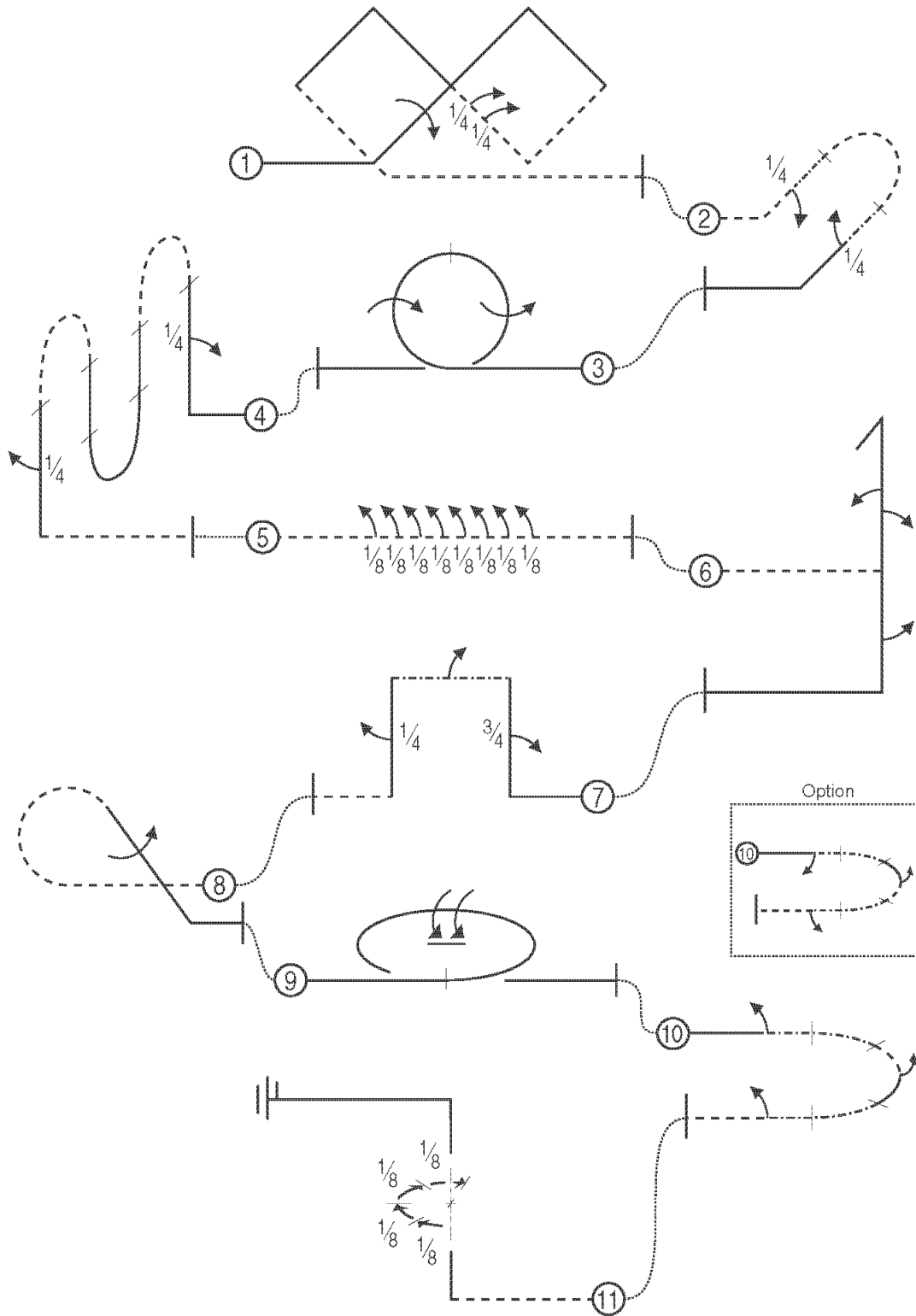
From upright, perform a ¼ roll into knife-edge flight, push or pull through a ½ horizontal knife-edge circle while performing a ½ roll integrated in the outer 90°, perform a ¼ roll, exit inverted.

AP-15.11 Vertical Upline with consecutive four ⅛ Torque Rolls

From inverted, push through a ¼ loop into a vertical upline, reduce flying speed to zero in the middle of that line. Perform in this position consecutively four ⅛ torque rolls, then accelerate, push through a ¼ loop, exit upright.

The Aresti diagrams appear overleaf.

PRELIMINARY SCHEDULE F3P-AP-15 (2014-2015)

Drawings by Ken Hirose
June 2013

Finals Manoeuvres – Schedule F3P-AF-15 (2014-2015)

AF-15.01 Knife-Edge Golf Ball with ¾ roll up, half roll integrated, ¼ roll down

From upright, pull through a ⅛ loop into a 45° upline, perform a ¾ roll, perform a ¾ loop in knife-edge flight into a 45° downline while performing a half roll integrated, perform a ¼ roll, push through a ⅛ loop, exit inverted.

AF-15.02 Vertical Eight

From inverted, push through a ½ loop, immediately pull through a loop, exit upright.

AF-15.03 Knife-Edge Flight Combination with ¼ roll, roll, ¼ roll

From upright, perform a ¼ roll, perform a roll in opposite direction, perform a ¼ roll in opposite direction, exit inverted.

AF-15.04 Figure 6 with stall turn, ½ roll down

From inverted, pull through a ¾ loop into a vertical upline, perform a stall turn, into a vertical downline, perform a ½ roll, pull through a ¼ loop, exit upright.

AF-15.05 Cubic Top-Hat with ¾ roll up, ¼ roll down, ½ roll, ¾ roll up, ¼ roll down

From upright, pull through a ¼ loop into a vertical upline, reduce flying speed to zero in the middle of that line, perform a ¾ torque roll, then accelerate, push through a ¼ loop, push through a ¼ loop into a vertical downline, perform a ¼ roll, pull through a ¼ loop, perform a ½ roll, push through a ¼ loop into a vertical upline, reduce flying speed to zero in the middle of that line, perform a ¾ torque roll, then accelerate, push through a ¼ loop, push through a ¼ loop into a vertical downline, perform a ¼ roll, push through a ¼ loop, exit inverted.

AF-15.06 Half Horizontal Square Circle on Corner with ¼ roll, ½ roll, ½ roll, ¼ roll

From inverted, perform a ¼ roll, push or pull a ⅛ circle, perform a ½ roll, perform a ¼ circle, perform a ½ roll, push or pull through a ⅛ circle, perform a ¼ roll, exit upright.

AF-15.07 Eye-Catcher with two ¾ rolls integrated in opposite directions

From upright, pull through a ¾ loop performing a ¾ roll integrated, pull through another ¾ loop, while performing a ¾ roll integrated in opposite direction, exit upright.

AF-15.08 Half Horizontal Hour Glass with ½ roll down, roll up, ½ roll down

From upright, push through a ⅛ loop into a 45° downline, perform a ½ roll, push through a ⅜ loop into a vertical upline, perform a roll, push through a ⅜ loop into a 45° downline, perform a ½ roll, push through a ⅛ loop, exit inverted.

AF-15.09 Horizontal Triangular Circle with ¼ roll, ½ roll integrated, roll, ½ roll integrated, roll, ½ roll integrated, ¼ roll

From inverted, perform a ¼ roll in the centre, perform a horizontal triangular circle of three equal side lengths while performing a ½ roll to the outside in each corner integrated and perform a roll to the inside in each side leg, perform a ¼ roll in the centre, exit inverted.

AF-15.10 Tail Slide with two consecutive ⅛ rolls up in opposite directions

From inverted, push through a ¼ loop into a vertical upline, perform consecutively two ⅛ rolls in opposite directions, perform a stick-back tail slide into a vertical downline, pull through a ¼ loop into a horizontal line, exit upright.

AF-15.11 Roll Combination with 1¾ roll, 1¾ roll in opposite direction

From upright, perform consecutively two 1¾ rolls in opposite directions, exit upright.

The Aresti diagrams appear overleaf.

FINAL SCHEDULE F3P AF-15 (2014-2015)

Option
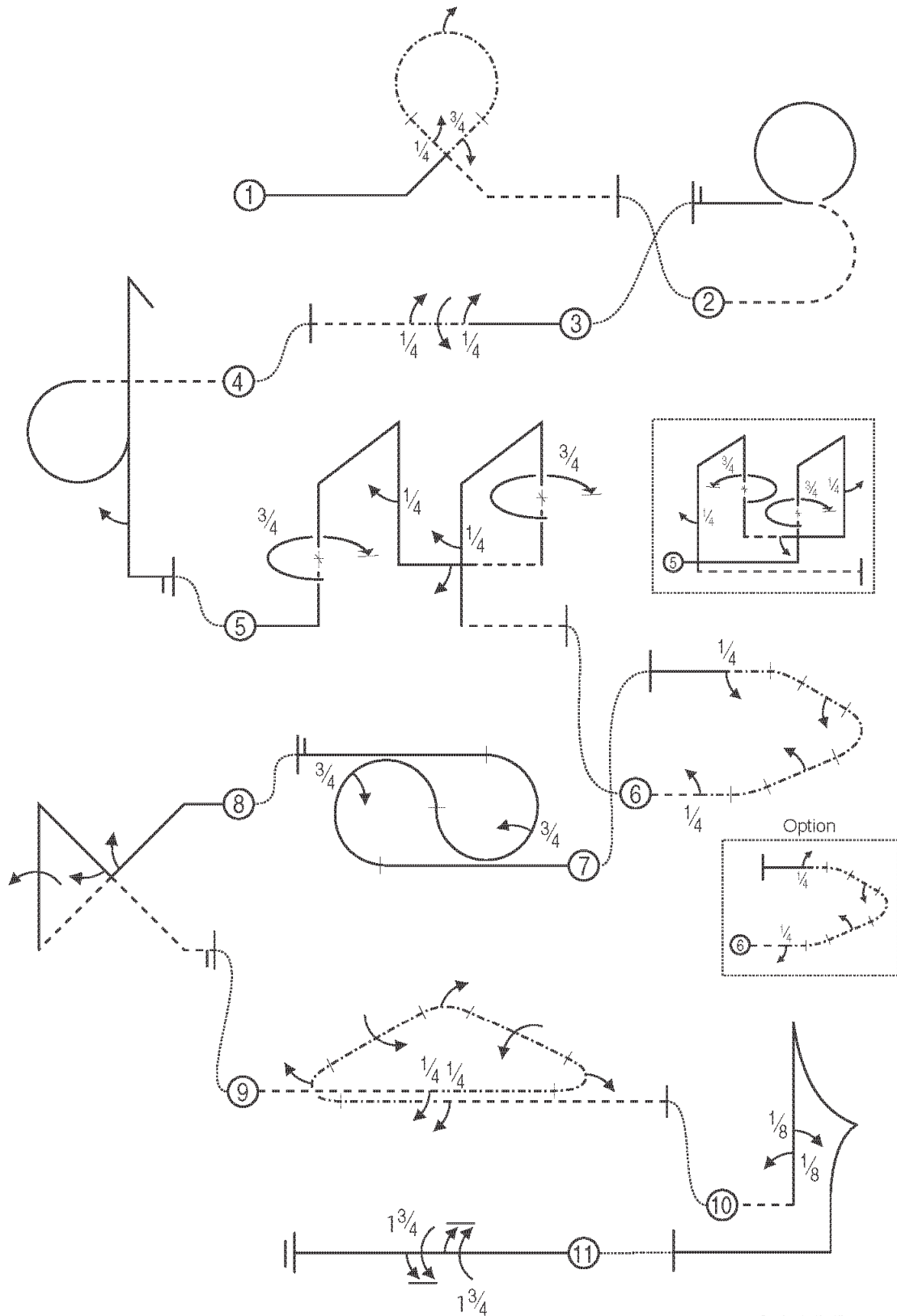
Drawings by Ken Hirose
July 2013