



The Model Aerobatic Association  
of South Africa

## MAASA ADVANCED SCHEDULE (from January 2010)


**General notes pertaining to Advanced class:** Schedule 8 minutes including three minutes to take-off.

**A-01 Square loop with half rolls in the vertical legs:** Past centre line pull vertical up line, perform a  $\frac{1}{2}$  roll, push horizontal, push to a vertical down line and perform a  $\frac{1}{2}$  roll, recover upright.

**A-02 Half reverse cuban eight:** Pull into a  $45^\circ$  up line, perform a  $\frac{1}{2}$  roll then pull through a  $\frac{5}{8}$  loop to recover upright.

**A-03 Three horizontal rolls:** On a horizontal line, perform three full rolls on the centre line.

Judging notes:

 No hesitation between rolls.

**A-04 Half square loop with half roll up:** Pull to a vertical upline, perform a  $\frac{1}{2}$  roll, and push to exit upright.

**A-05 One outside loop from top:** Push on centre to complete one outside loop.

**A-06 Split S with  $\frac{2}{4}$ pt roll at top:** Perform a  $\frac{2}{4}$ pt roll followed immediately by a half inside loop to finish upright.

**A-07 Two half rolls reversed (half roll, half roll, pause, half roll reversed, half roll reversed):** From upright, perform  $\frac{1}{2}$  roll, pause, half roll, pause, opposite direction from first roll  $\frac{1}{2}$  roll, opposite direction from first roll  $\frac{1}{2}$  roll.

**A-08 Humpty bump, (pull, push, pull) half roll up:** Pull into a vertical up line, perform a  $\frac{1}{2}$  roll, push through a half loop to a vertical down line, then pull to recover upright.

**A-09 Triangular loop, full roll on top:** Pull to  $45^\circ$  upline, pull through  $135^\circ$ , perform full roll, pull through  $135^\circ$  to a  $45^\circ$  downline, pull through  $135^\circ$  to exit upright.


**A-10 Stall turn half rolls up and down:** Pull to a vertical up line and perform a  $\frac{1}{2}$  roll, followed by a stall turn. On the down line perform a  $\frac{1}{2}$  roll then pull to recover upright.


**A-11 Top hat half rolls up and down:** From upright, pull to a vertical upline and perform  $\frac{1}{2}$  roll, pull to horizontal inverted, pull to a vertical downline and perform  $\frac{1}{2}$  roll, pull to exit upright.

**A-12 Half inside loop, inverted exit:** Pull and complete a half inside loop from the bottom to recover inverted.

**A-13  $2\frac{1}{2}$  turn inverted spin:** Perform  $2\frac{1}{2}$  inverted (negative) spins, pull to upright exit.

Judging notes:

 Snap entry, zero points.


 Forced entry, downgrade.

**A-14 Half cuban eight:** Pull into  $\frac{5}{8}$  of an inside loop to  $45^\circ$  down line, perform a  $\frac{1}{2}$  roll to upright, pull to recover in level flight.

**A-15 Double Immelmann with half rolls:** From upright, pull to complete a half inside loop, followed immediately by  $\frac{1}{2}$  roll. Push through a half outside loop, followed immediately by  $\frac{1}{2}$  roll, to exit upright.

Judging notes:

 The  $\frac{1}{2}$  rolls must follow immediately after the part-loops.

 The length of the upper horizontal line (including part-roll) is equal to the diameter of the half loops.

**A-16 Reverse shark's tooth, one full snap roll on  $45^\circ$  upline, half roll on downline:** Pull to  $45^\circ$  upline, perform full snap roll, push to a vertical downline and perform  $\frac{1}{2}$  roll. Pull through  $90^\circ$  to exit upright.

**A-17 Stall turn  $\frac{1}{4}$  rolls up and down:** Pull to a vertical up line on the centre line and perform a  $\frac{1}{4}$  roll, followed by a stall turn. On the down line perform a  $\frac{1}{4}$  roll then pull to recover upright.