# Flying and Judging F3A 



SCHEMATIC MANOEUVRE LLLUSTRATIONS SCHEDULE = ADVANCED


## Explanations:



## Aircraft upright

Aircraft inverted

Aircraft in Knife-Edge View from Top


## Aircraft in Knife-Edge

 View from BelowTake-off procedure
(not judged, not scored)
Take-off procedure
(not judged, not scored)
(not judged, not scored)






$=$

(not judged, not scored)
$\qquad$
$\qquad$

$\square$

$\qquad$

,
 ,
$\qquad$
$\qquad$

2







# $$
\text { ) }=
$$ 

$\square$

## ADV. 01 Top Hat with full roll on top



## ADV. 01 Top Hat with full roll on top

Roll on middle of the line.
Top line must be equal length to the sides - (Square).

Entry and exit are at the same altitude.



From upright, pull through a quarter loop into a vertical upline, perform a half roll, push through a quarter loop, exit upright.

## ADV. 02 Half Square Loop with half roll

$1 / 2$ roll on middle of the line

All radii are equal.



## ADV. 03 Push-Push-Pull Humpty-Bump with half roll



## ADV. 03 Push-Push-Pull Humpty-Bump with half

Entry and exit are at the same altitude.

All radii are equal.


## ADV. 04 Half Square Loop on Corner



From inverted, pull through a one eighth loop into a forty five degree downline, pull through a quarter loop into a forty five degree downline, pull through a one eighth loop, exit upright.


## ADV. 04 Half Square Loop on Corner



All radii are equal.

## ADV. 05 Forty Five degree Upline, with two half

 rolls in opposite direction

## ADV. 05 Forty Five degree Upline, with two half rolls in opposite direction

Between rolls and part rolls in opposite direction there must be no line.


## ADV. 06 Reverse Split S with half roll

## $\xrightarrow{\square}$

## ADV. 06 Reverse Split S with half roll



There is no line between the
$1 / 2$ loop and the $1 / 2$ roll.


## ADV. 07 Roll Combination with four consecutive one quarter rolls

Four consecutive $1 / 4$ rolls


## ADV. 07 Roll Combination with four consecutive one quarter rolls

Flight must be straight and level.

Lines between part rolls must be short and of equal length.



From upright, pull through a half loop, immediately perform a half roll, exit upright.


## ADV. 09 Spins with two turns




Line after the spins.

Snap entry-0 points!
Spiral dive - 0 points!
Forced entry: downgrade.



ADV. 10 Pull-Push-Pull Humpty-Bump, with half roll. Option: (quarter roll, quarter roll)


From upright, pull through a quarter loop into a vertical upline, push through a half loop into a vertical downline, perform a half roll, pull through a quarter loop, exit upright. Option: (quarter roll, quarter roll)
$1 / 2$ roll on middle of the line.

All radii are equal.


## ADV. 10 Pull-Push-Pull Humpty-Bump, with half roll.

 Option: (quarter roll, quarter roll)
## Option



From upright, pull through a quarter loop into a vertical upline, perform a quarter roll, push through a half loop into a vertical downline, perform a quarter roll, pull through a quarter loop, exit upright.

## ADV. 10 Pull-Push-Pull Humpty-Bump, with half roll.

 Option: (quarter roll, quarter roll)
## Option

Rolls on middle of the line.

All radii are equal.


## ADV. 11 Reverse Figure ET



## ADV. 11 Reverse Figure ET



All radii are equal.


## ADV. 12 Half Square Loop with half roll



From upright, push through a quarter loop into a vertical downline, perform a half roll, pull through a quarter loop, exit upright.

## ADV. 12 Half Square Loop with half roll



## All radii are equal.



## ADV. 13 Stall Turn

Stop before pivot

Pivot on CG
Two wing spans or more - zero points!
$1 / 4$ rolls on middle of the lines.

Entry and exit must be the same altitude.



## $\sum_{2} \rightarrow$ ADV. 14 Trombone

$1 / 2$ roll on middle of the line.

All radii are equal.



## ADV. 15 Triangle with one roll



## ADV. 15 Triangle with roll

Roll centered on middle of the line.

All radii are equal.
Entry and exit must be the same altitude.


## ADV. 16 Shark Fin with half roll



From upright, pull through a quarter loop into a vertical upline, pull through a three eighths loop into a forty five degree downline, perform a half roll, pull through a one eighth loop, exit upright.

## ADV. 16 Shark Fin with half roll

$1 / 2$ roll on middle of the line.

All radii are equal.


## ADV. 17 Loop with roll



From upright, pull through a loop, perform a roll over the top 30


## ADV. 17 Loop with roll

Loop must be round.

Entry and exit must be the same altitude.

The roll must be on the circular flightpath of the top $30^{\circ}$ of the loop.


## Landing procedure ( not judged, not scored) <br> Landing procedure

The direction of the landing m


wind

-     - 

The direction of the landing ma nd
take off.
(not judged, no
In

$\square$

The direction of the landing may be different to the

## $\Leftrightarrow$ wind

$\Leftarrow$ wind

## 

## -



- 




(ane off. $\square$

$\checkmark$
$\square$



=
r
$\qquad$
$\qquad$
-
-
$\qquad$
$\qquad$
$\qquad$
$\square$
$=$ $=$ O



 -

$\square$
$\square$
$\square$
$\square$
$\square$
$\square$

## Forget WHO is flying

(friend, rival, countryman, flier from other nation)

## Forget WHAT is flying

(2-stroke, 4-stroke, electric)

## LOOK ONLY AT LINES DESCRIBED

 IN THE SKY!Bob Skinner
(and the precision, smoothness, positioning, and size)


# Thank you! 

