## Flying and Judging F3A



SCHEMATIC MANOEUVRE ILLUSTRATIONS SCHEDULE P-23

PRELIMINARY SCHEDULE P-23 (2022-2023)



(16)


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## Explanations:



Aircraft upright

Aircraft inverted


Aircraft in Knife-Edge View from Top


Aircraft in Knife-Edge
View from Below

Reference points


## P-23.01 Top Hat with two quarter rolls up, half roll,

 two quarter rolls down

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


## P-23.01 Top Hat with two quarter rolls up, half roll, two quarter rolls down

## $1 / 4$ rolls and $1 / 2$ roll centered on middle of the line.




P-23.02 Half Square Loop with half roll
$1 / 2$ roll on middle of the line.


## P-23.03 Pull-Pull-Push Humpty-Bump with roll, half roll



P-23.03 Pull-Pull-Push Humpty-Bump with roll, half roll

All radii are equal.




P－23．05 Forty Five Degree Upline，with one and a half snap roll
 per－form one and a half snap roll，push through a one eighth loop，exit upright．

P-23.05 Forty Five Degree Upline, with one and a half snap roll
$11 / 2$ snap roll on middle of the line.
$11 / 2$ snap roll may be positive or negative.

If snap roll = barrel roll or aileron roll:
Severe downgrade > 5 pts.
All radii are equal.

## P-23.06 Half Eight Sided Loop



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


P-23.07 Roll Combination with two consecutive half rolls, two consecutive half rolls in opposite direction


## P-23.07 Roll Combination with two consecutive half rolls, two consecutive half rolls in opposite direction

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


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





## P-23.09 Inverted Spin two and a half turns



Line after the spins.


P-23.10 Pull-Pull-Push Humpty-Bump, with half rolls. (Option: three quarter roll, quarter roll)


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


## P-23.10 Pull-Pull-Push Humpty-Bump, with half rolls.

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



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


## P-23.11 Reverse Figure ET with two consecutive half rolls in

 opposite direction, two consecutive quarter rolls


From inverted push through a one eighth loop into a forty five degree upline, perform consecutively two half rolls in opposite direction, pull through a seven eighths loop to a vertical upline, perform consecutively two quarter rolls, push through a quarter loop, exit upright.
Note: The vertical line must be in the center

## P-23.11 Reverse Figure ET with two consecutive half rolls in

 opposite direction, two consecutive quarter rollsAll radii are equal.

$1 / 2$ rolls and $1 / 4$ rolls centered on middle of the line.

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

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





P-23.13 Crossbox Figure M, with three quarter rolls
Pivot on CG
$3 / 4$ rolls on middle of the lines.


Two wing spans or more - zero points!

All radii are equal.




## P-23.15 Triangle with half roll, two consecutive quarter

 rolls, two consecutive quarter rolls, half roll

From upright perform a half roll in the centre, push through a three eighths loop into a forty five degree upline, perform consecutively two quarter rolls, pull through quarter loop into a forty five degree downline, perform consecutively two quarter rolls, push through a three eighths loop, perform a half roll in the centre, exit upright.

P-23.15 Triangle with half roll, two consecutive quarter rolls, two consecutive quarter rolls, half roll




P-23.17 Loop with half roll integrated


From inverted push through a loop while integrating a half roll over the top ninety degrees, exit upright.



## Enjoy a P-23 flight with Mark Hunt

## https://www.youtube.com/watch?v=L1bpB M7bgHQ



## 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



Thank you!
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