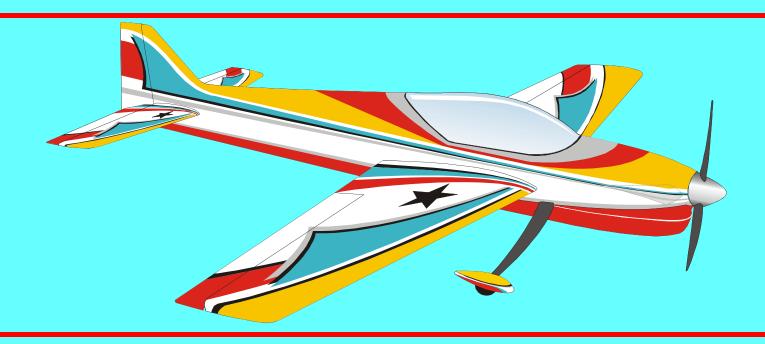
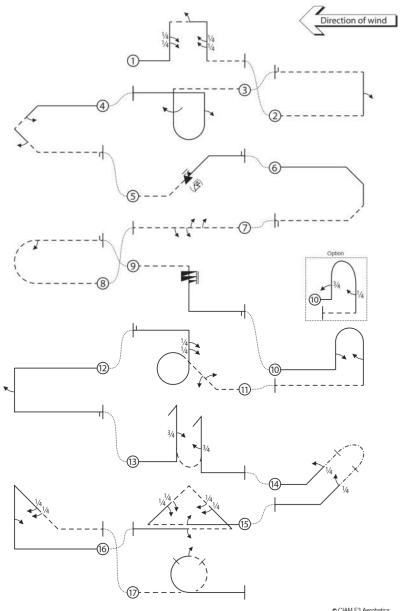
Flying and Judging F3A



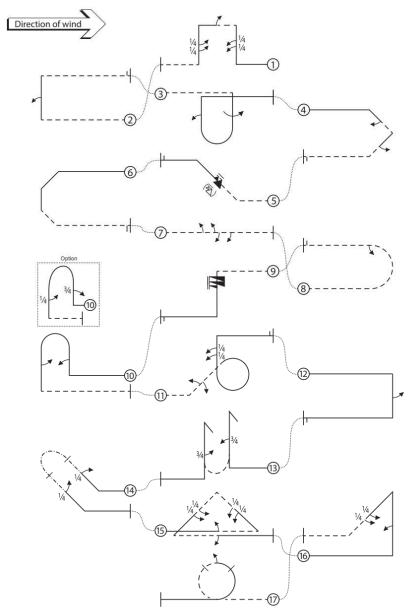
SCHEMATIC MANOEUVRE ILLUSTRATIONS
SCHEDULE P-23

PRELIMINARY SCHEDULE P-23 (2022-2023)



© CIAM F3 Aerobatics Drawings by Ken Hirose Feb. 2019

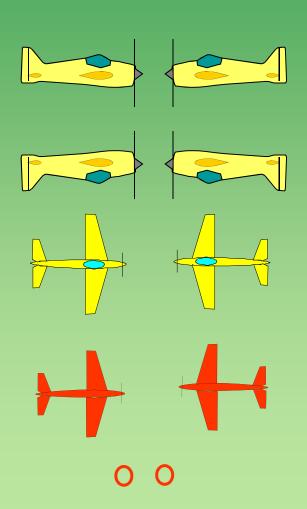
PRELIMINARY SCHEDULE P-23 (2022-2023)



CIAM F3 Aerobatics Drawings by Ken Hirose Feb. 2019



Explanations:



Aircraft upright

Aircraft inverted

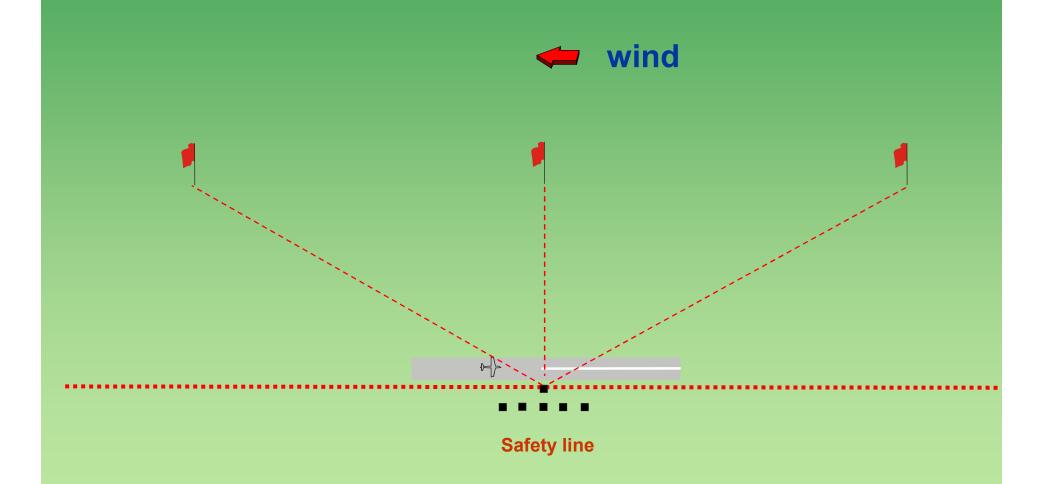
Aircraft in Knife-Edge View from Top

Aircraft in Knife-Edge View from Below

Reference points

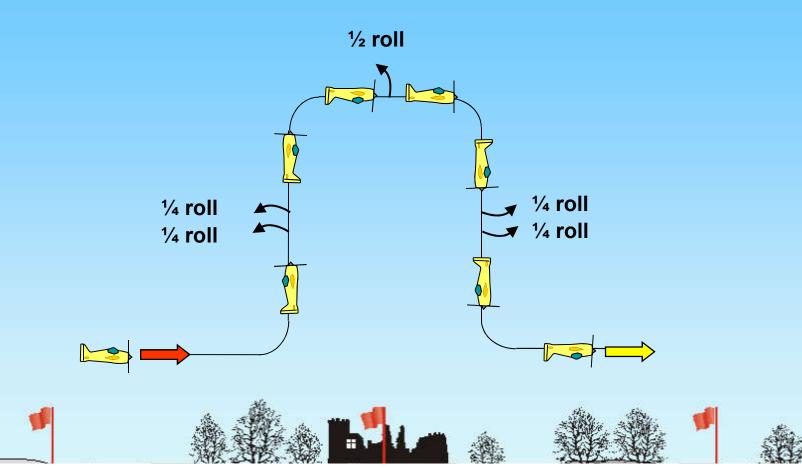


Take-off procedure (not judged, not scored)





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

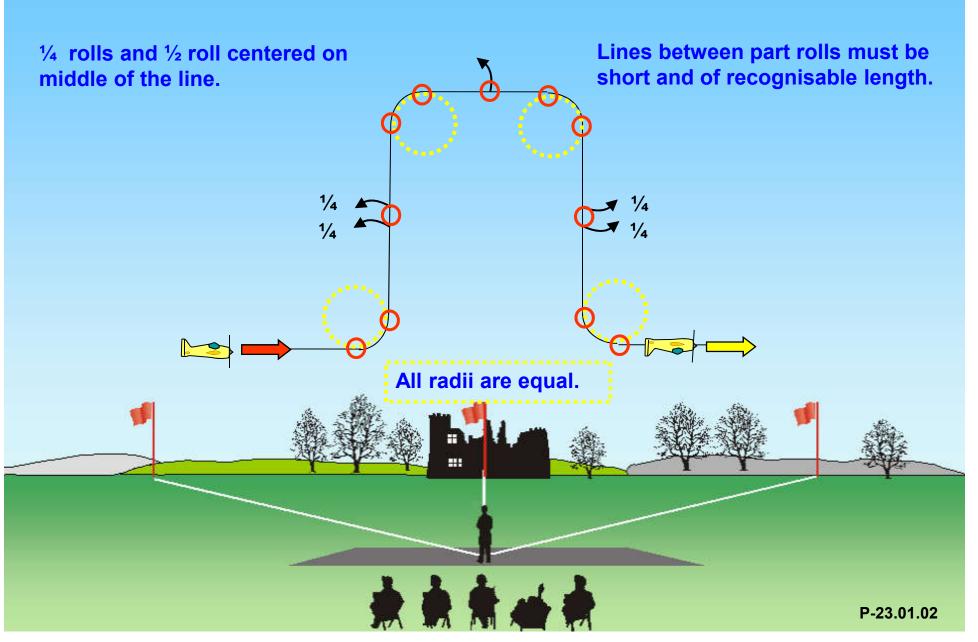


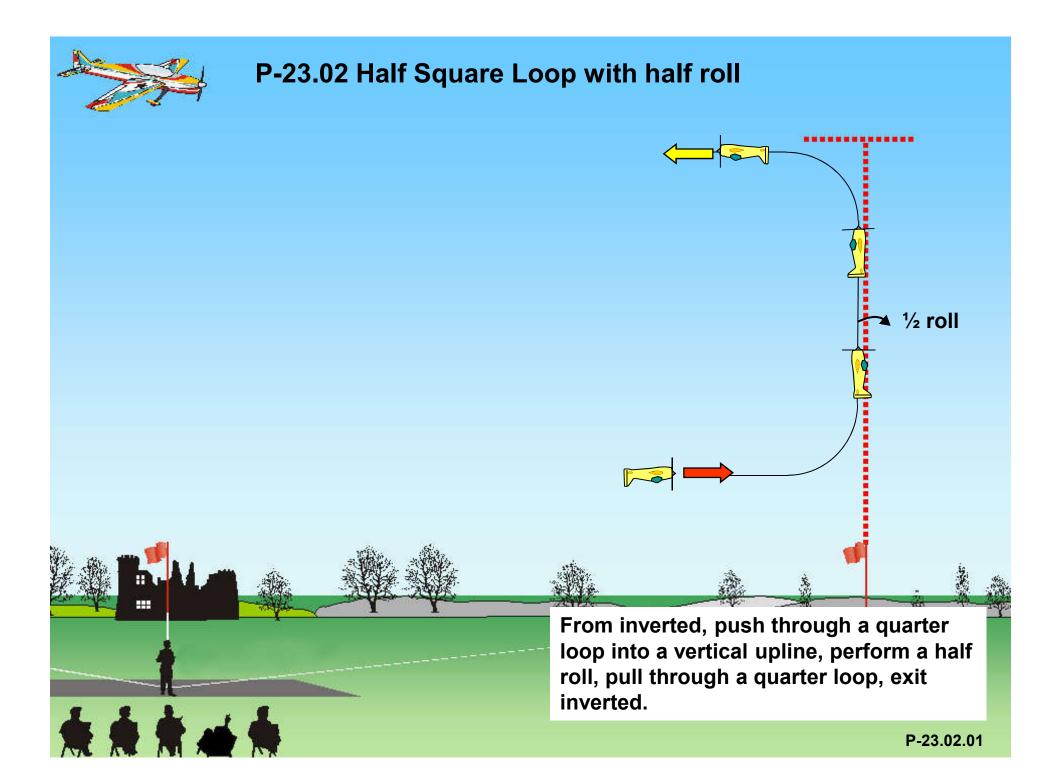
From upright pull through a quarter loop into a vertical upline, perform consecutively two quarter rolls, pull through quarter loop, perform a half roll, push through a quarter loop into a vertical downline, perform consecutively two quarter rolls, push through a quarter loop, exit inverted.

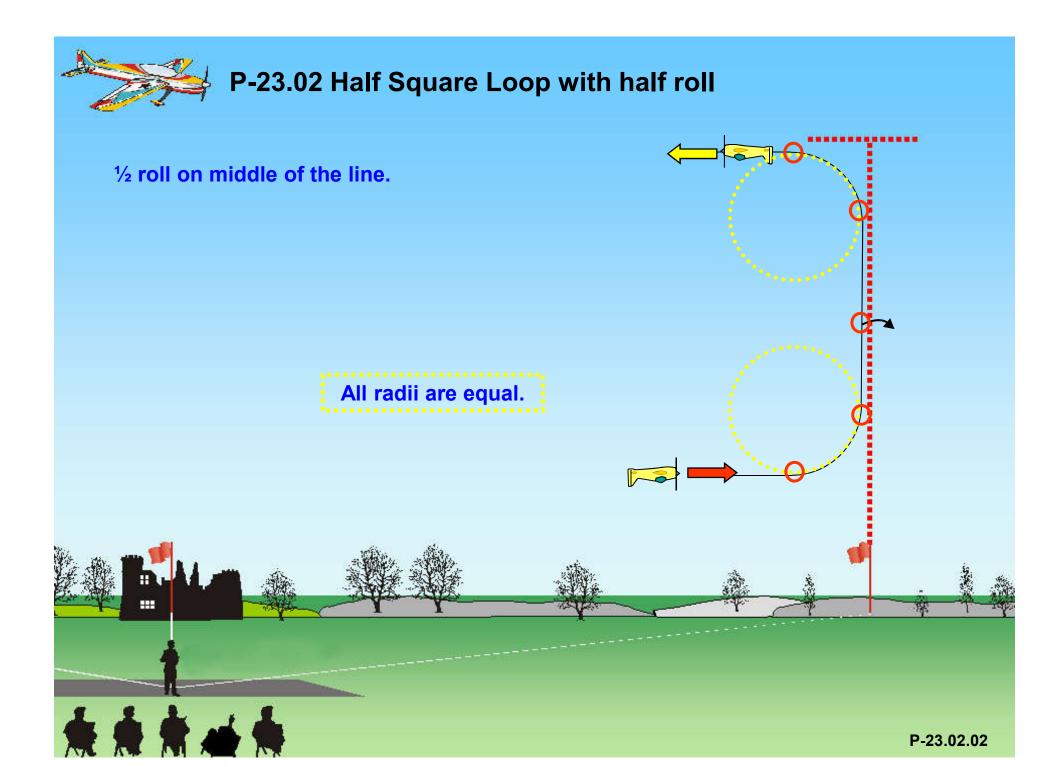




P-23.01 Top Hat with two quarter rolls up, half roll, two quarter rolls down

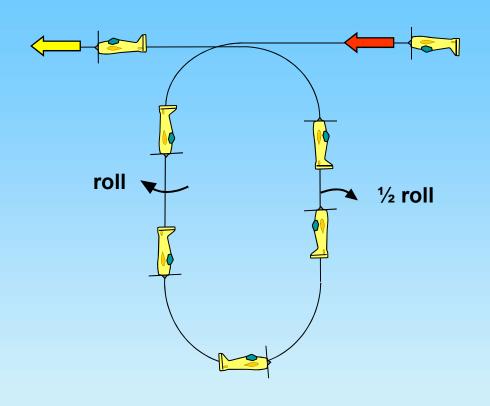


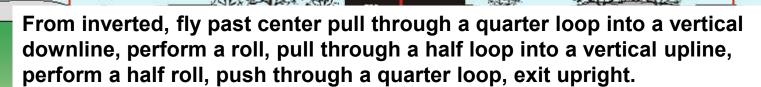




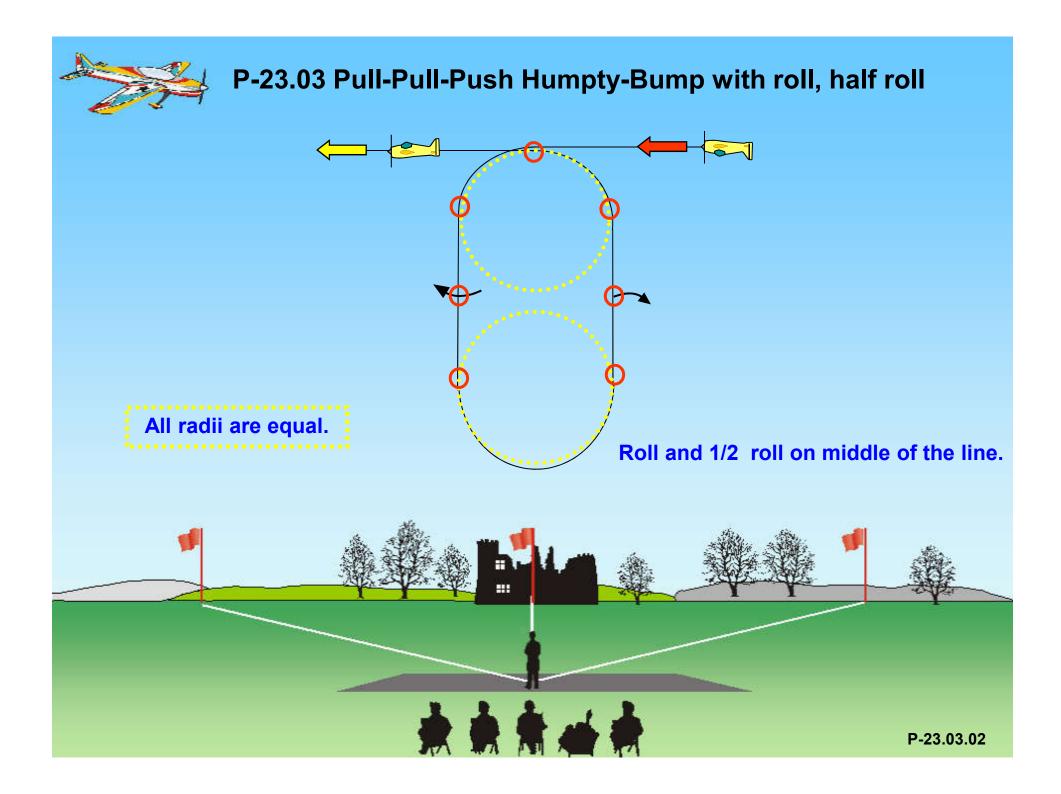


P-23.03 Pull-Pull-Push Humpty-Bump with roll, half roll



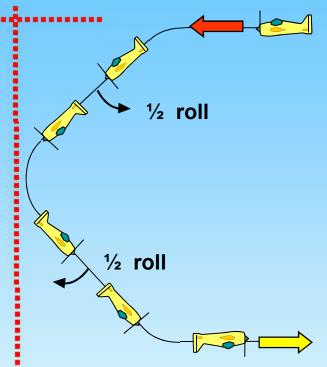


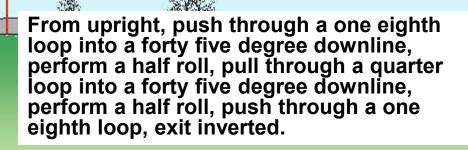


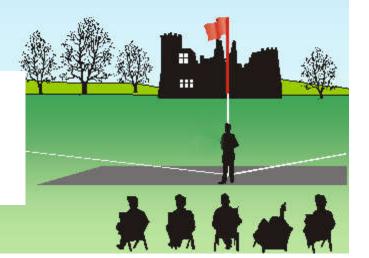


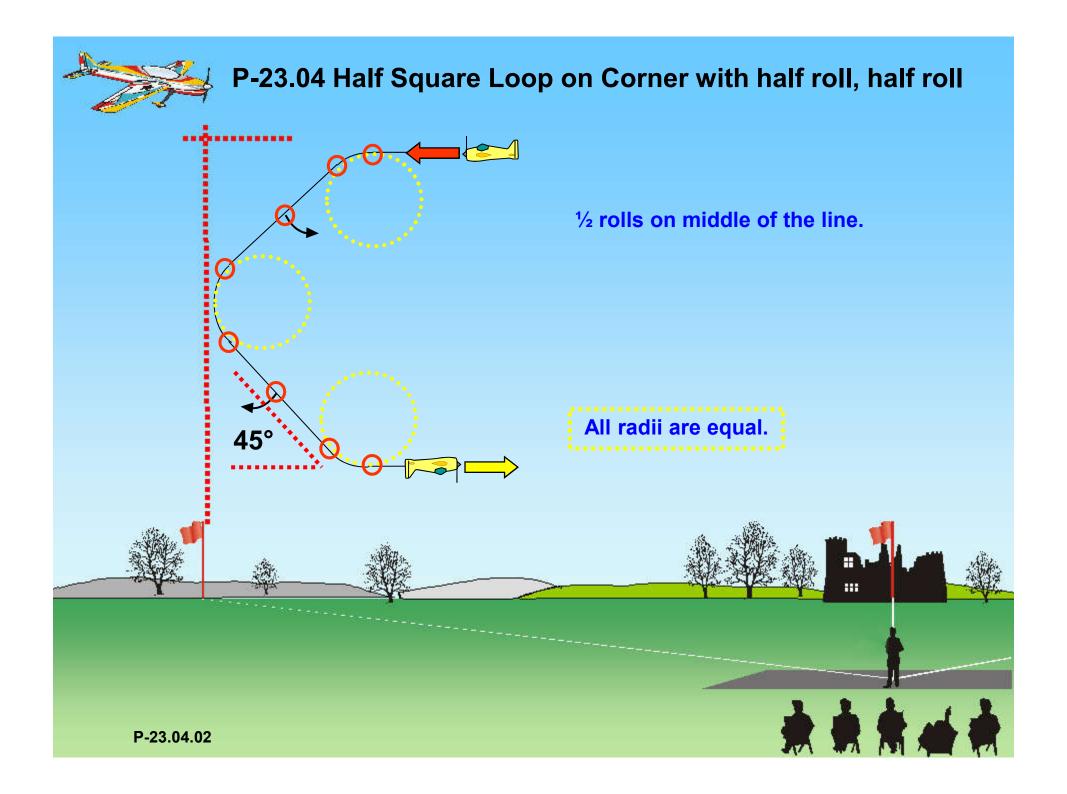


P-23.04 Half Square Loop on Corner with half roll, half roll-



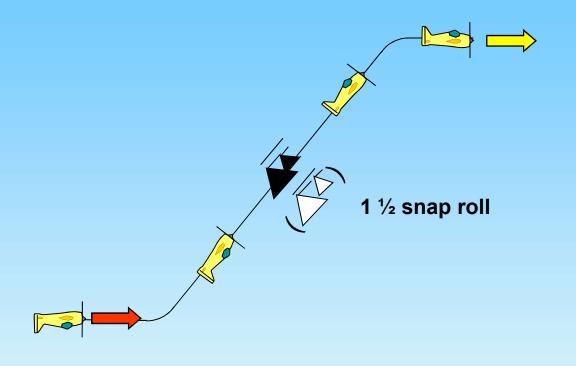








P-23.05 Forty Five Degree Upline, with one and a half snap roll



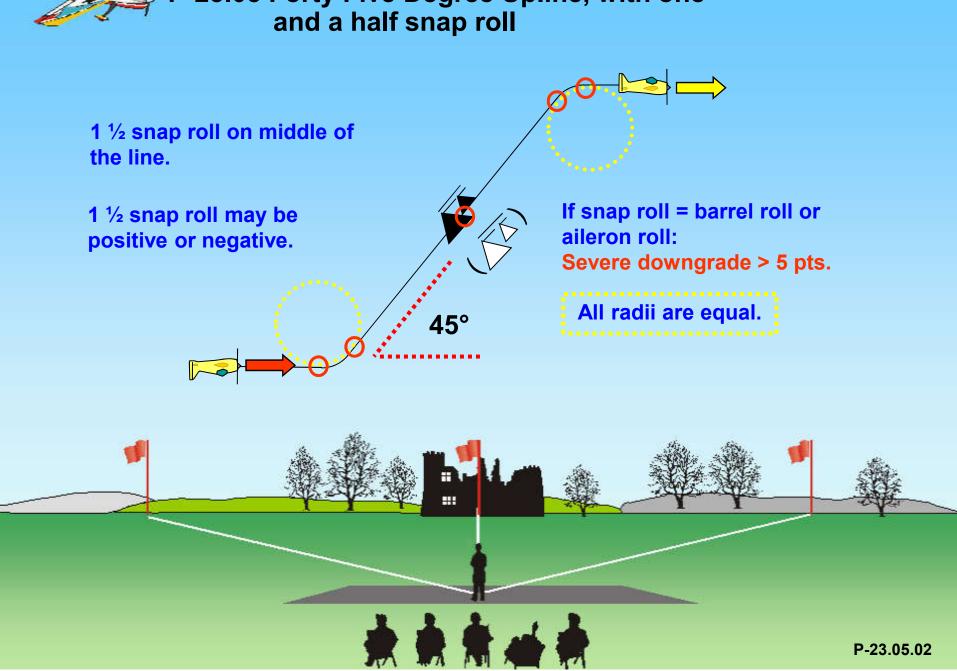


From inverted, push through a one eighth loop into a forty five degree upline, per- form one and a half snap roll, push through a one eighth loop, exit upright.





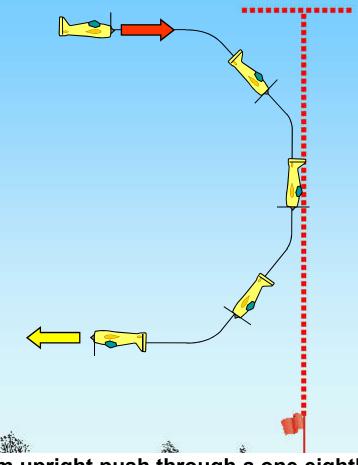
P-23.05 Forty Five Degree Upline, with one

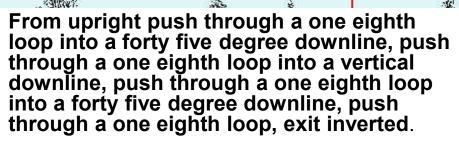


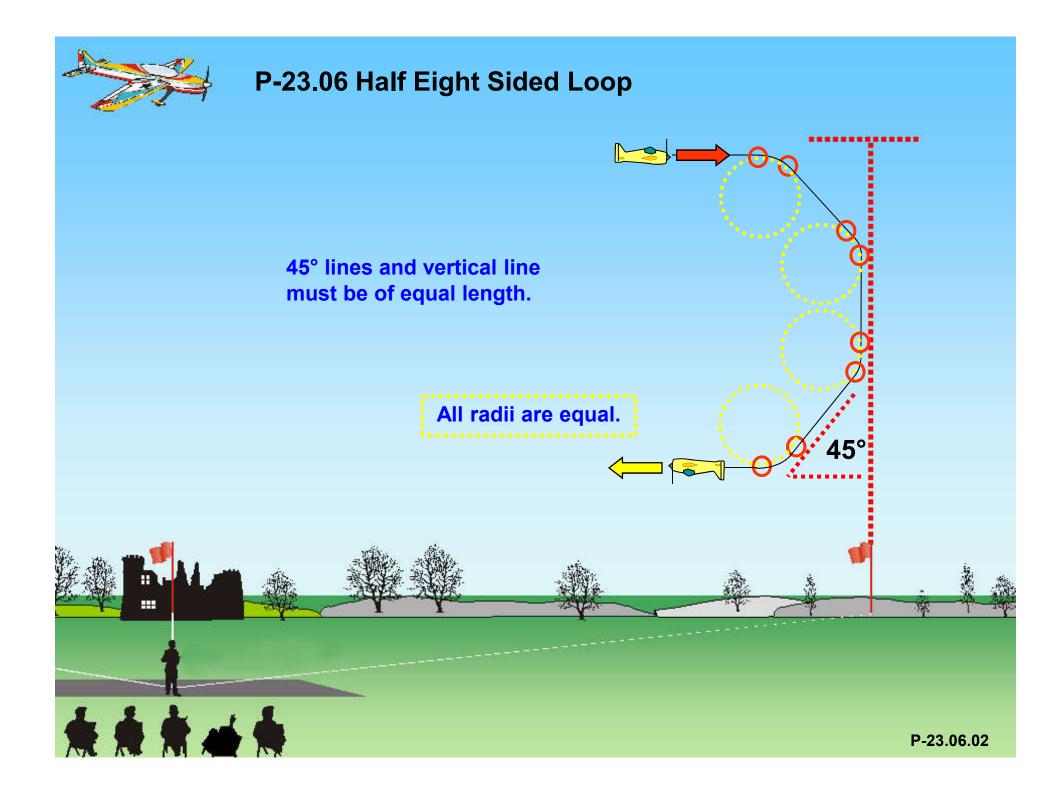


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P-23.06 Half Eight Sided Loop

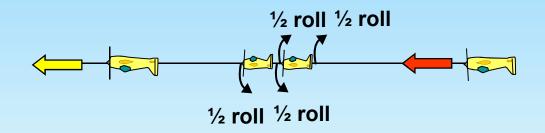








P-23.07 Roll Combination with two consecutive half rolls, two consecutive half rolls in opposite direction





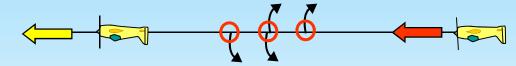
From inverted perform consecutively two half rolls, two half rolls in opposite direction, exit inverted.





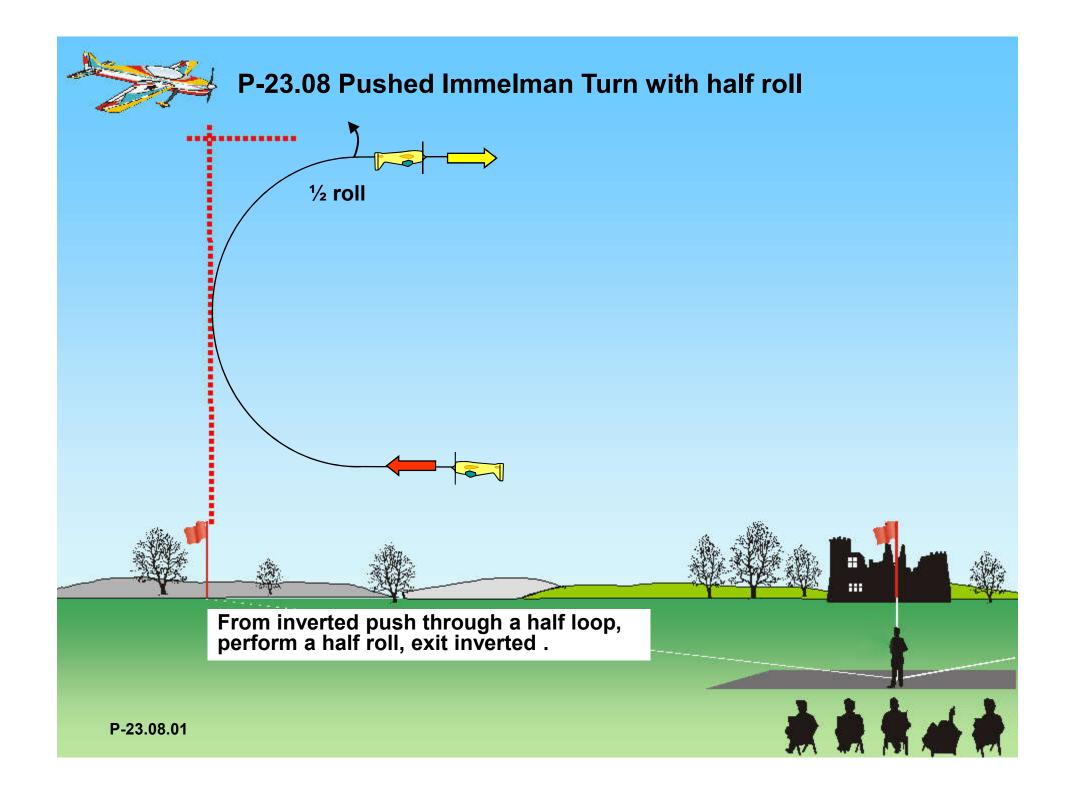
P-23.07 Roll Combination with two consecutive half rolls, two consecutive half rolls in opposite direction

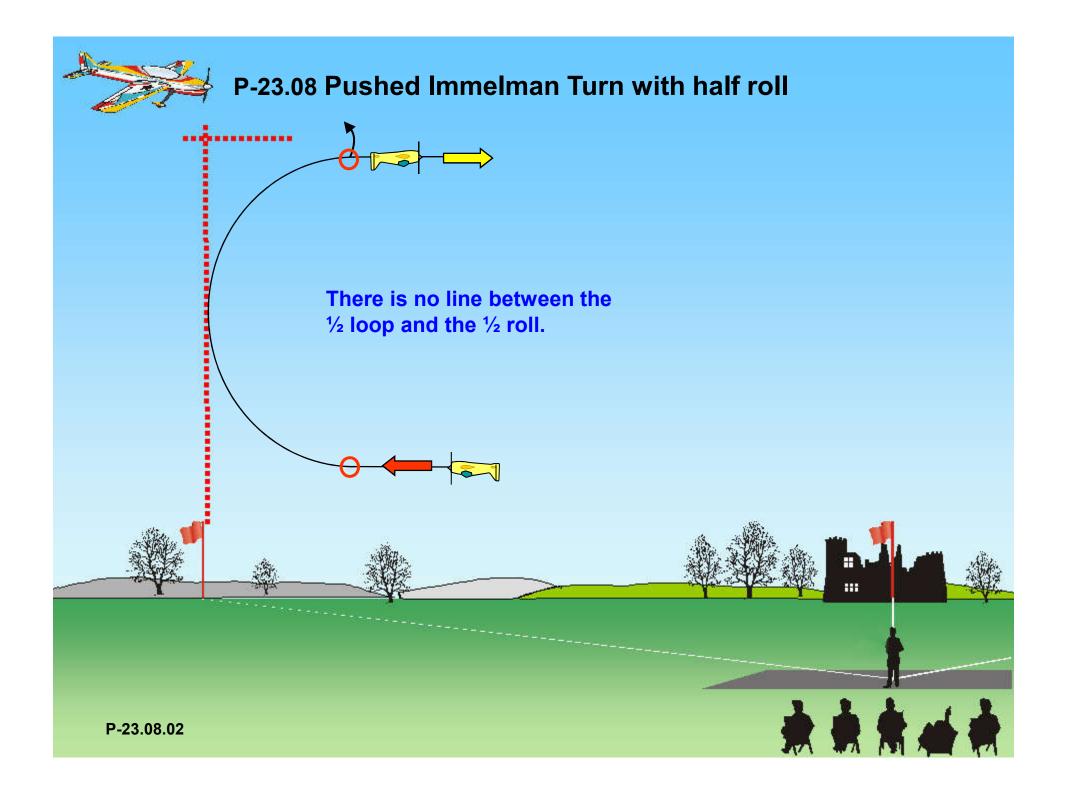
Lines between part rolls must be short and of equal length.



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

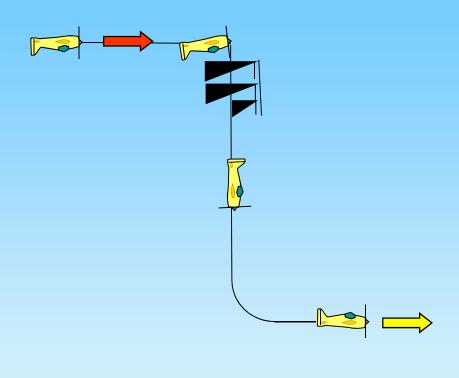






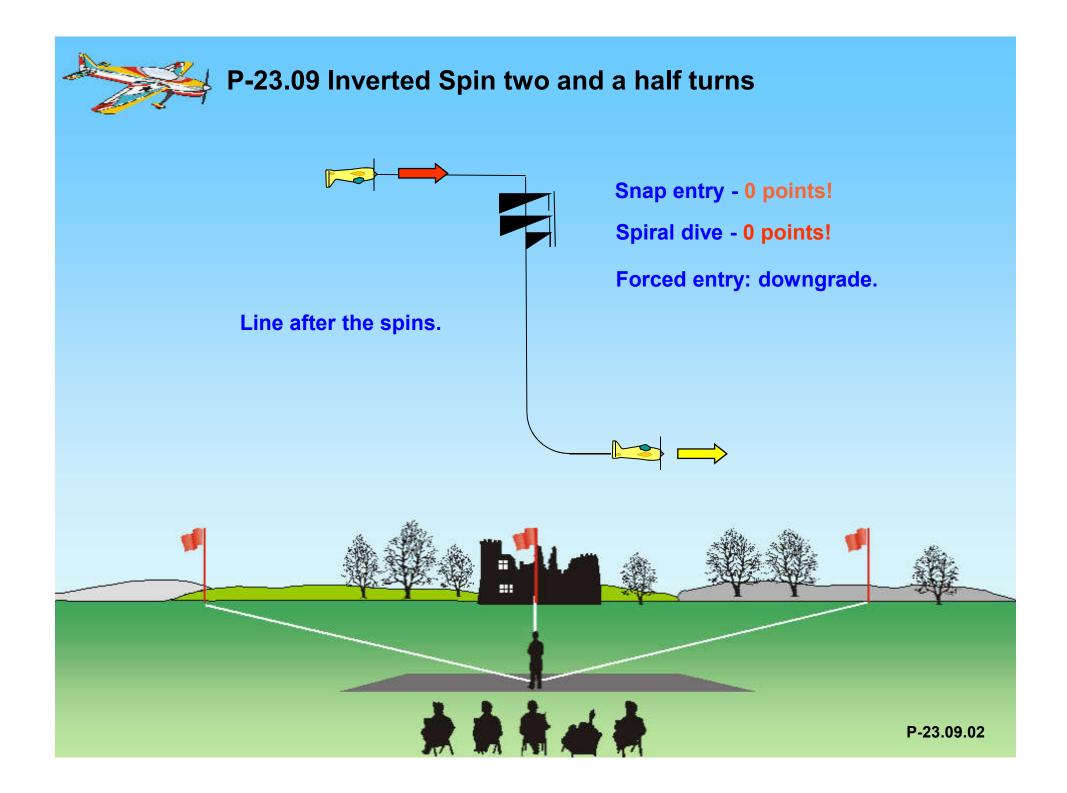


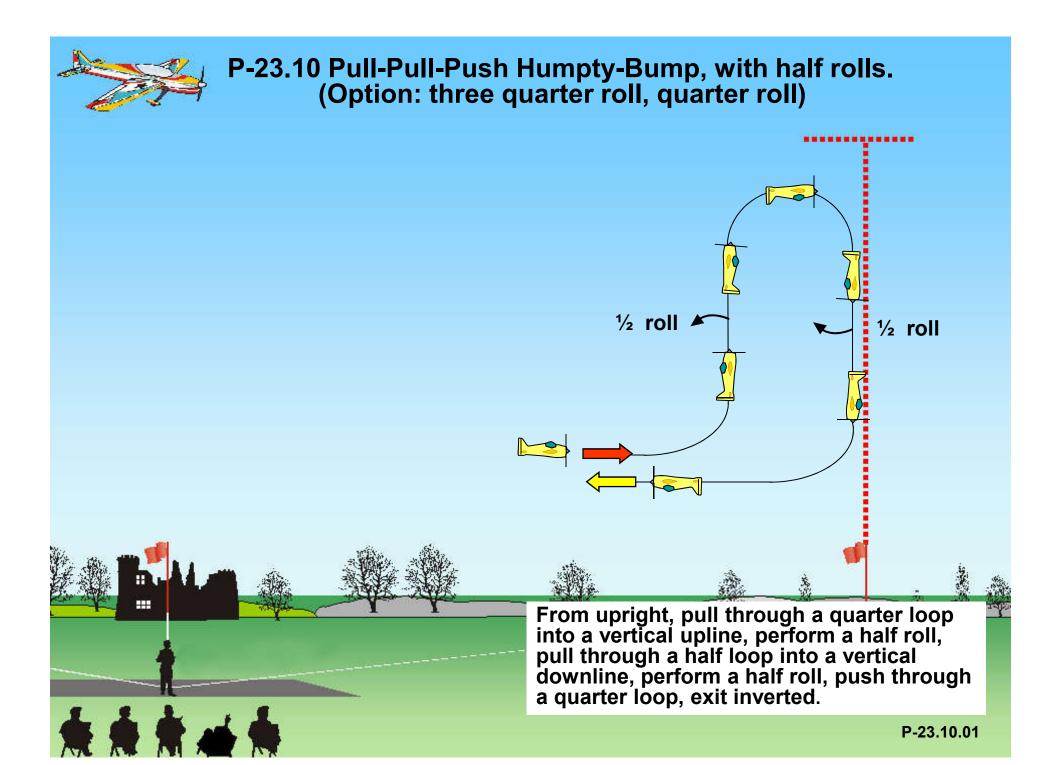
P-23.09 Inverted Spin two and a half turns

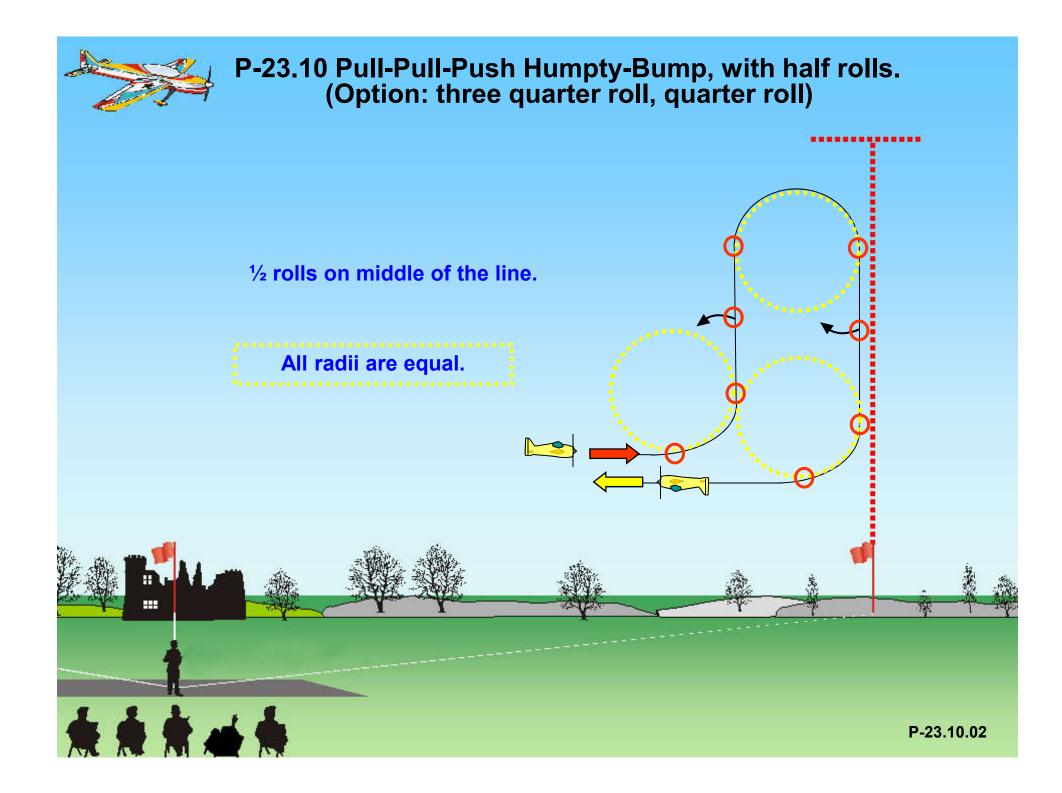








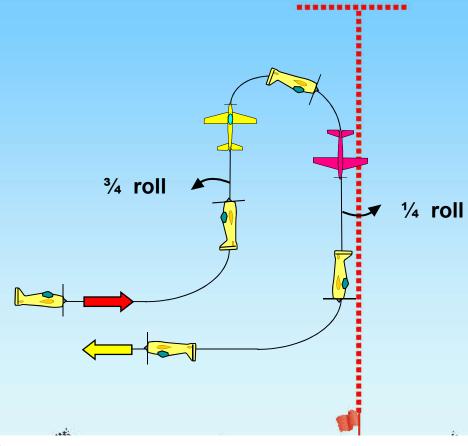


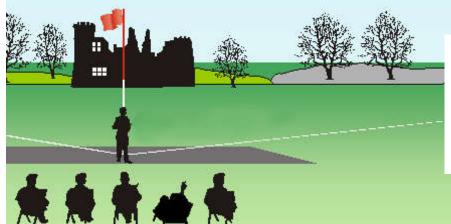




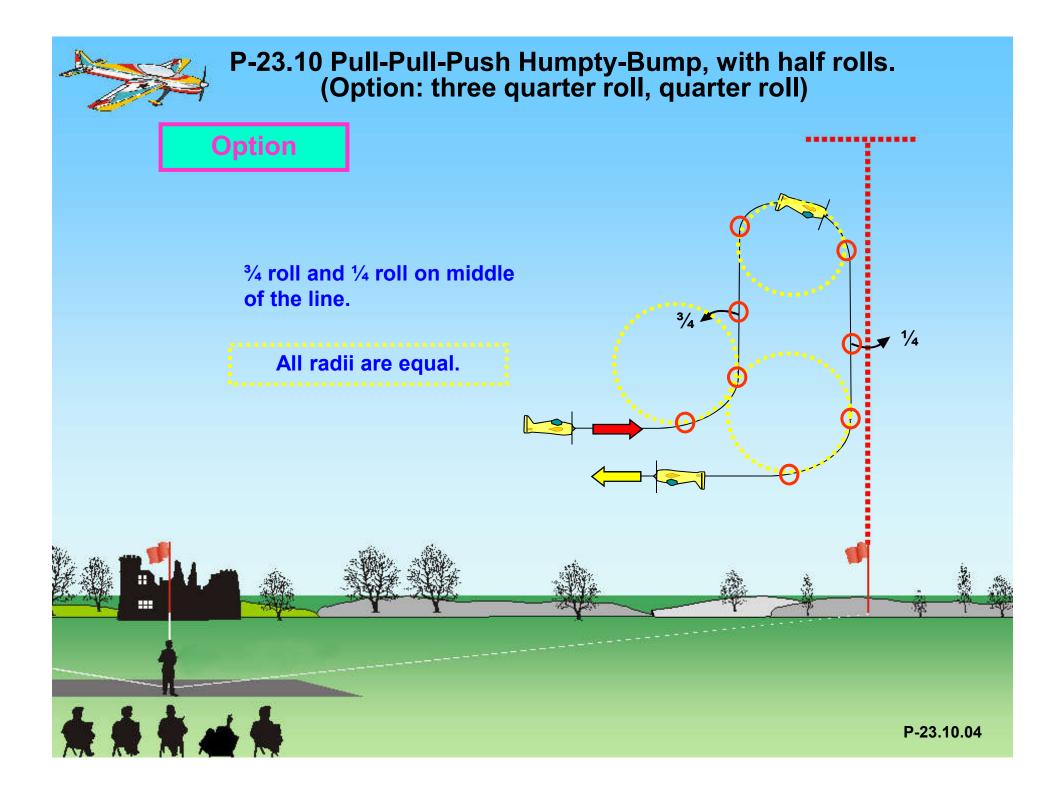
P-23.10 Pull-Pull-Push Humpty-Bump, with half rolls. (Option: three quarter roll, quarter roll)

Option



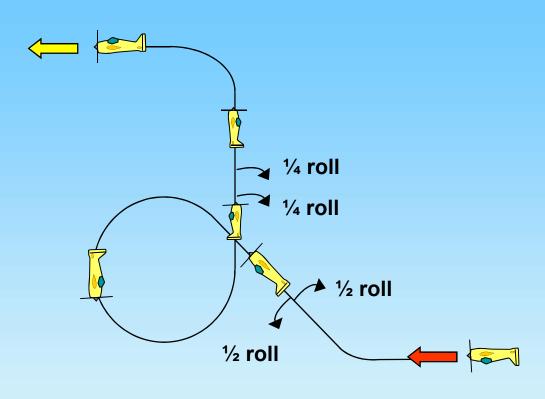


Option: From upright pull through a quarter loop into a vertical upline, perform a three quarter roll, pull through a half loop into a vertical downline, perform a quarter roll, push through a quarter loop, exit inverted.





P-23.11 Reverse Figure ET with two consecutive half rolls in opposite direction, two consecutive quarter rolls









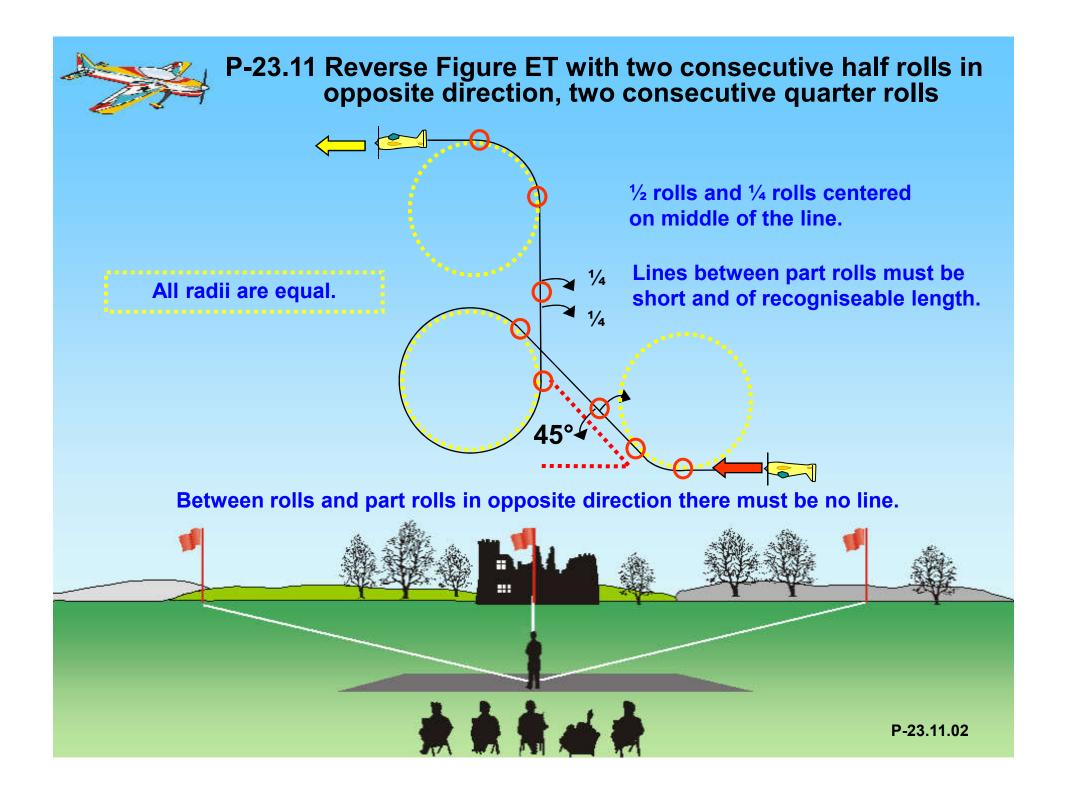




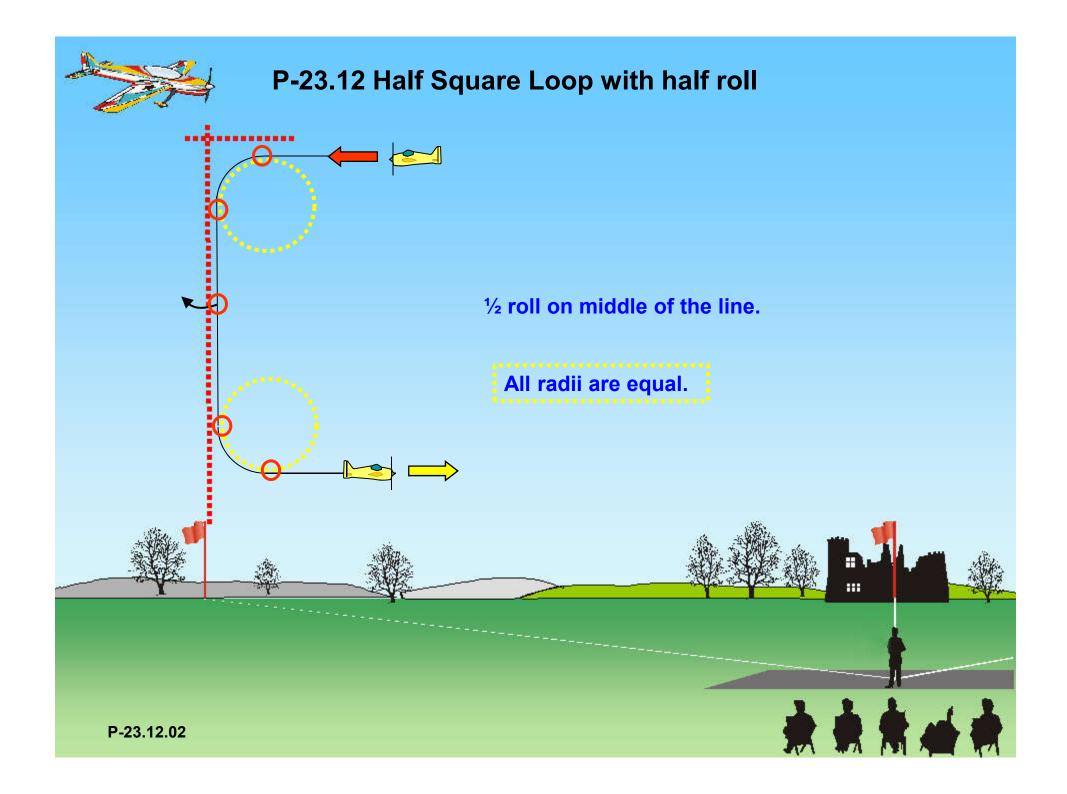
From inverted push through a one eighth loop into a forty five degree upline, perform consecutively two half rolls in opposite direction, pull through a seven eighths loop to a vertical upline, perform consecutively two quarter rolls, push through a quarter loop, exit upright.

Note: The vertical line must be in the center



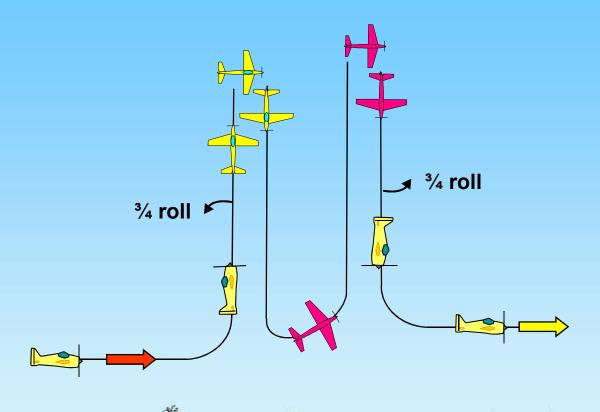


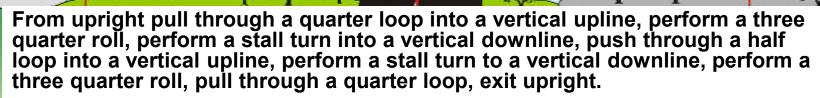
P-23.12 Half Square Loop with half roll ½ roll From upright push through a quarter loop into a vertical downline, perform a half roll, pull through a quarter loop, exit upright. * * * * * * P-23.12.01



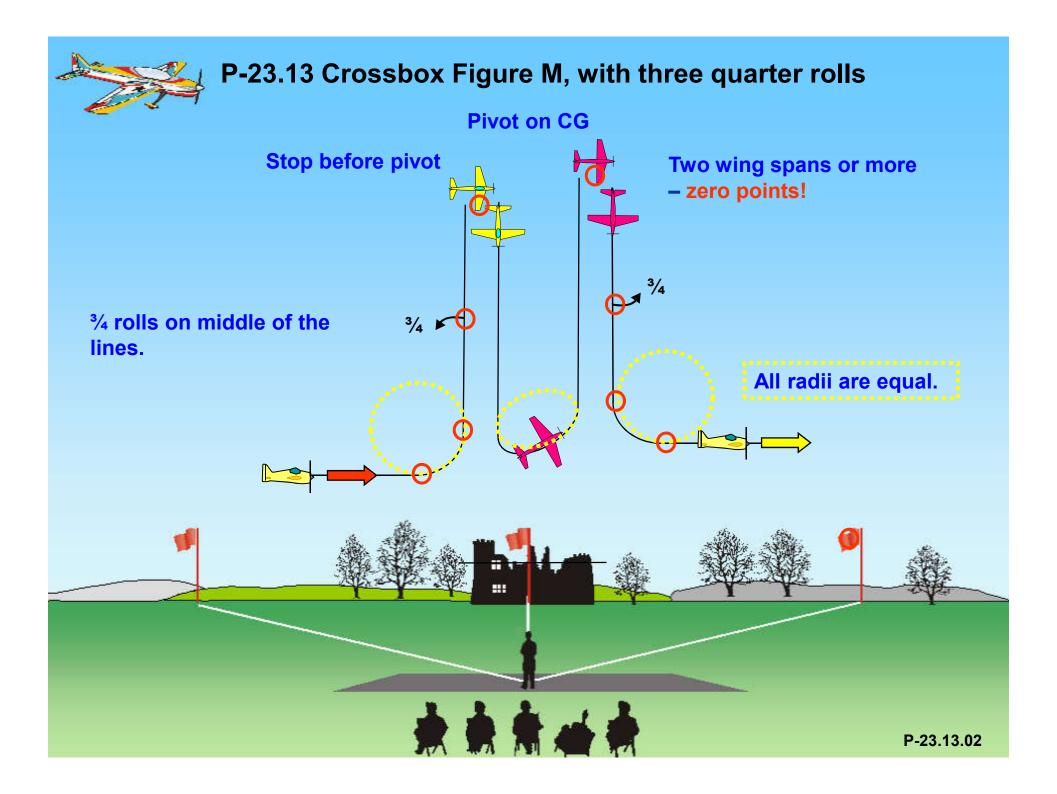


P-23.13 Crossbox Figure M, with three quarter rolls





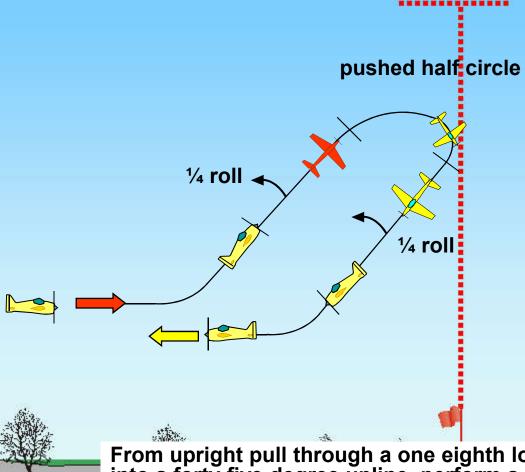




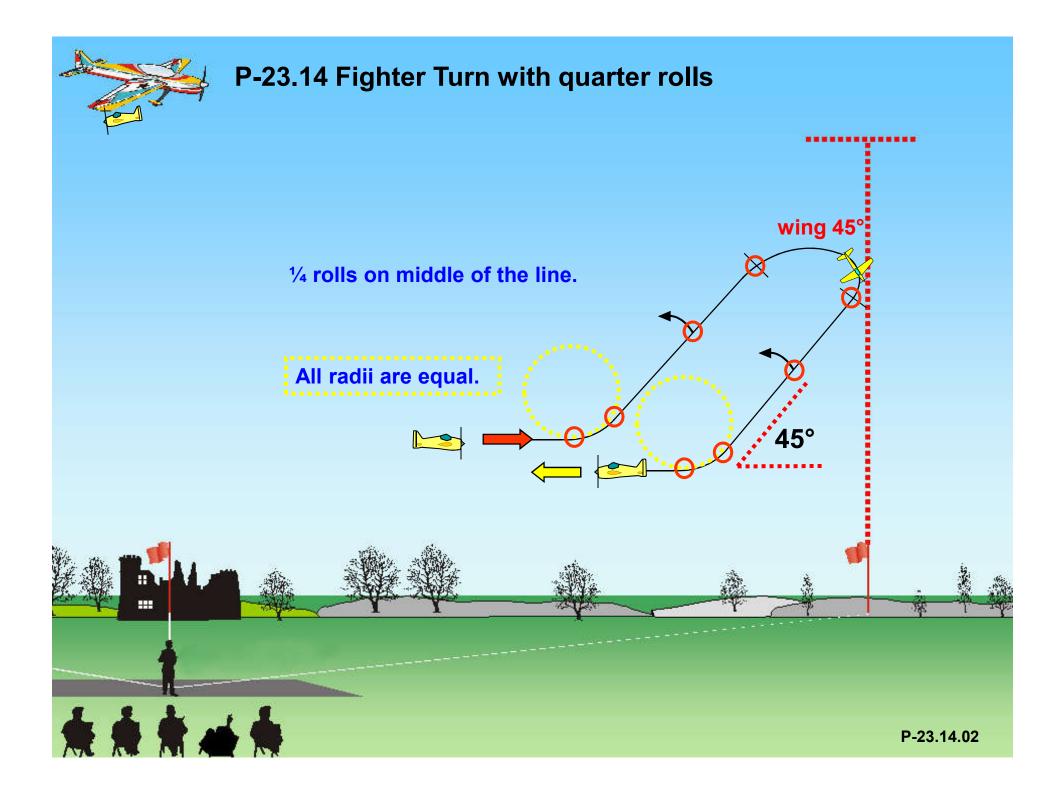


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P-23.14 Fighter Turn with quarter rolls

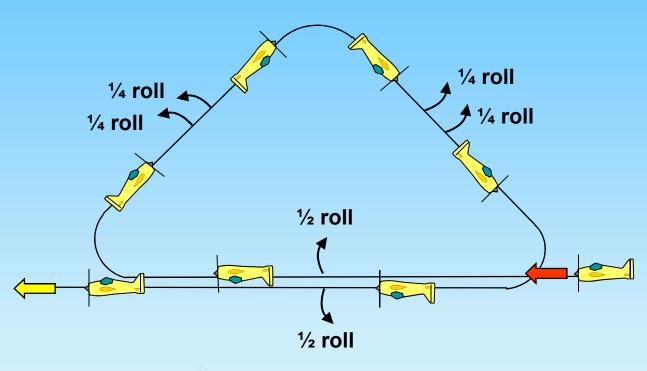


From upright pull through a one eighth loop into a forty five degree upline, perform a quarter roll, push through a half knife-edge circle into a forty five degree downline, perform a quarter roll, pull through a one eighth loop, exit upright.





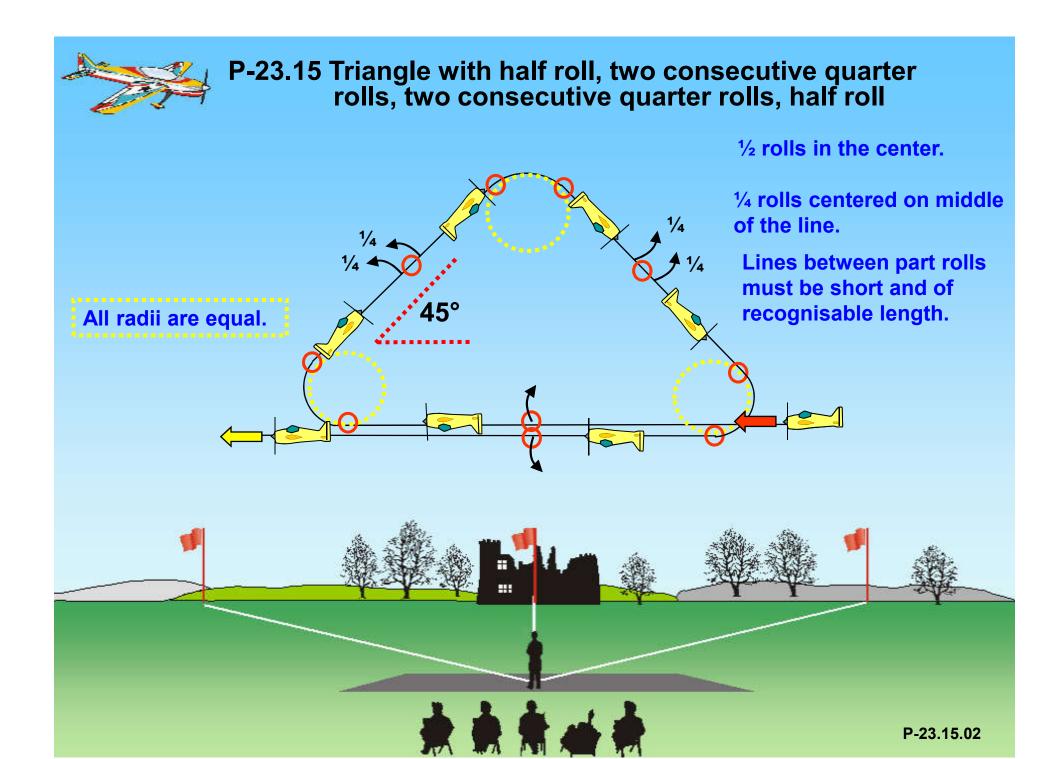
P-23.15 Triangle with half roll, two consecutive quarter rolls, two consecutive quarter rolls, half roll





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.



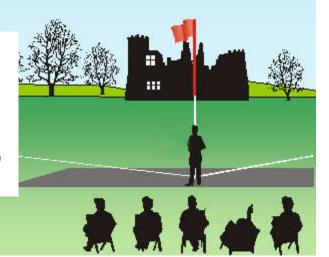


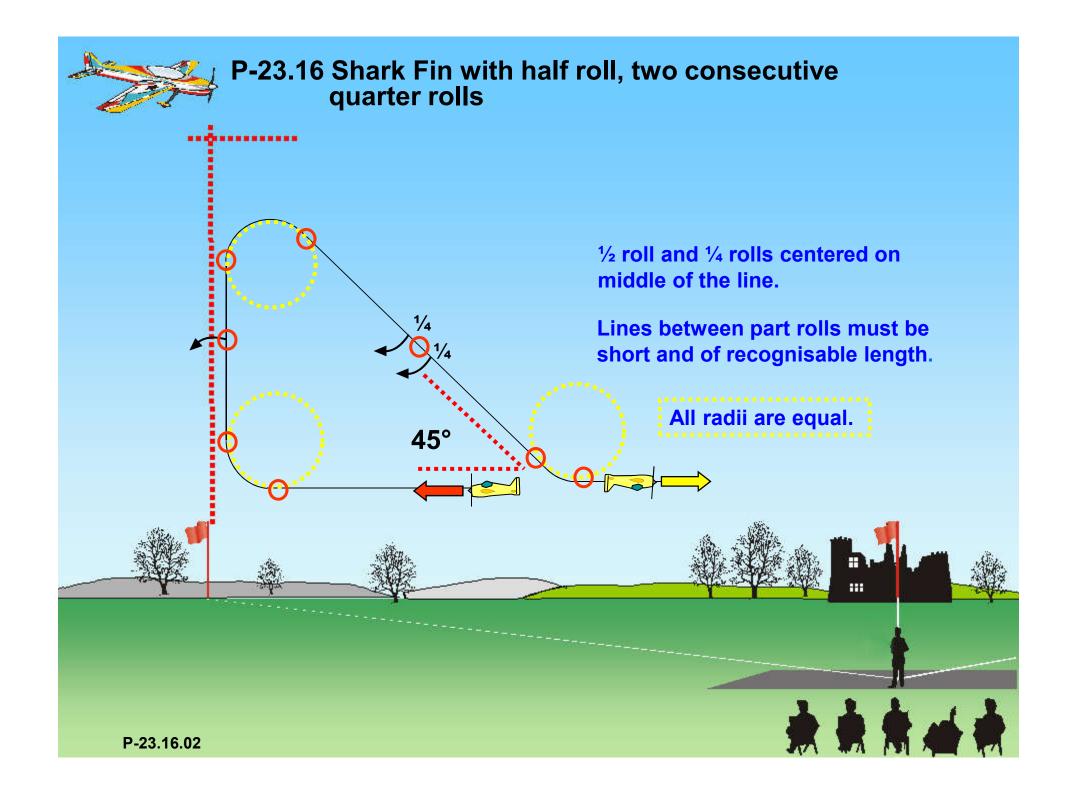
P-23.15.02

P-23.16 Shark Fin with half roll, two consecutive quarter rolls

½ roll
½ roll

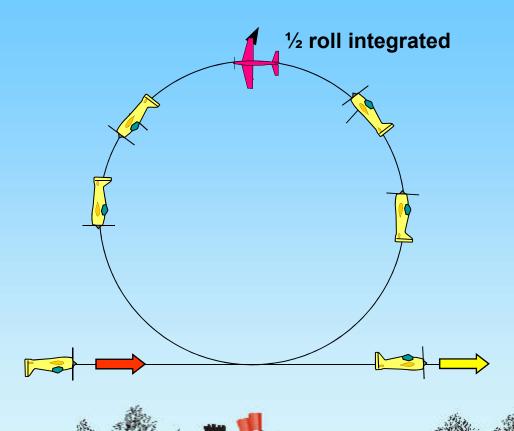
From upright pull through a quarter loop into a vertical upline, perform a half roll, push through a three eighths loop into a forty five degree downline, perform consecutively two quarter rolls, push through a one eighth loop, exit inverted.





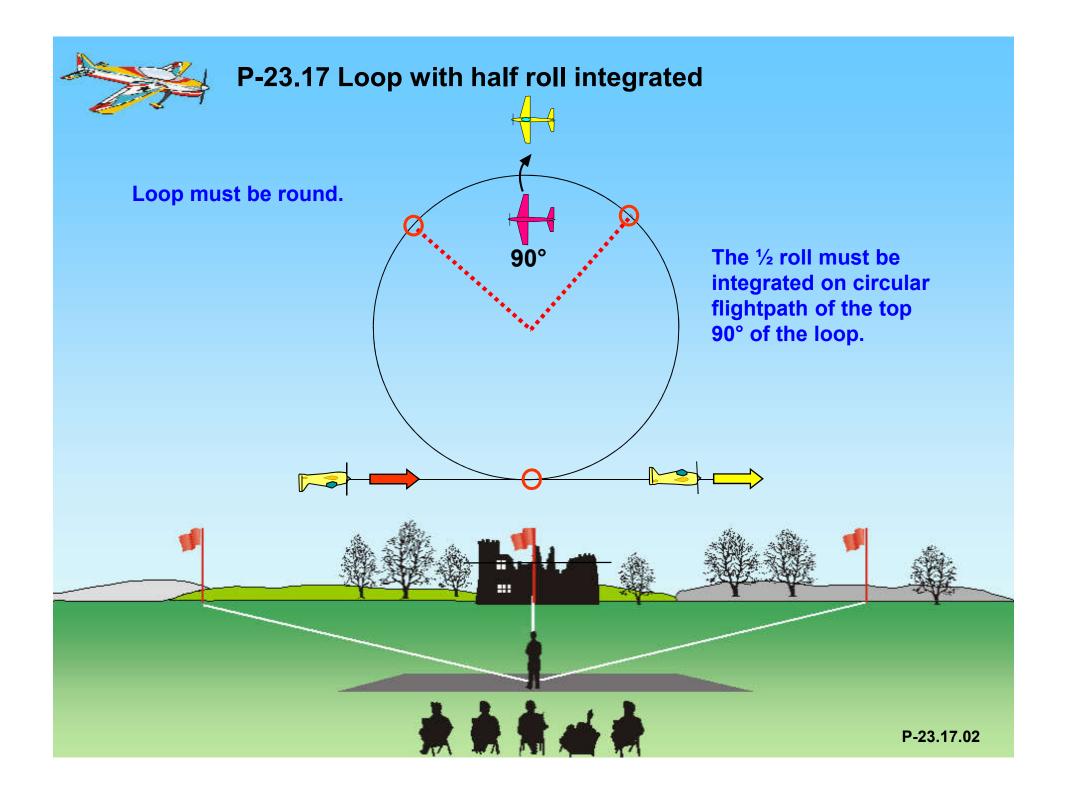


P-23.17 Loop with half roll integrated



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





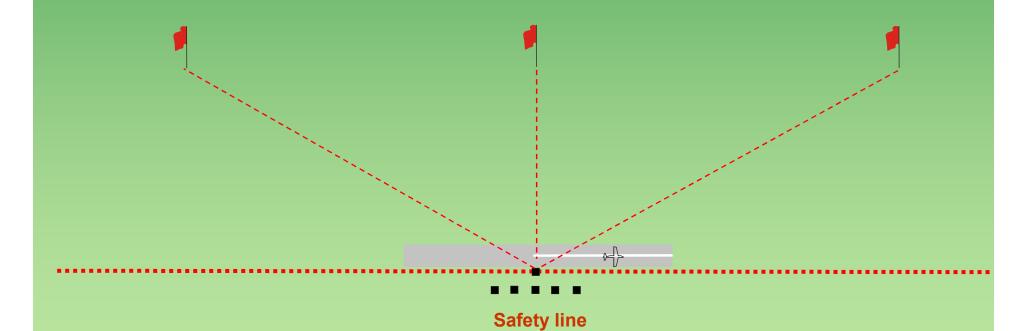


Landing procedure

(not judged, not scored)

The direction of the landing may be different to the take off.





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!

(and the precision, smoothness, positioning, and size)

Bob Skinner



Thank you!

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