

Full Programme Distribution

A Safety

- 1_Engine Failure during Take off
 - Engine Failure before Lift Off
 - Engine Failure between Ground and 300 ft
 - Engine Failure between 300 and about 1000 Ft
 - Engine Failure above about 1000 Ft
 - Engine Failure same height but light Tailwind
- 2_In flight engine failure Unusual attitudes
 - Restart demo with starter
 - Restart demo gaining speed
 - Forced landing is a 3D Animation
 - Turning asymmetric on final
 - Unusual Attitude upward
 - Unusual Attitude downward

B Positive Aerobatics

- 1_Pre Requisites
 - Take off with cross wind
 - Landing with cross wind
 - Straight and level flight
 - From fast to slow SV (Sub Video)
 - From slow to fast SV
- 2_Engine's Effect
 - Engine's Effect Straight and Level (S and L)
 - Induced roll S and L
 - Adverse Yaw S and L
 - Engine 's torque vertical up line
 - Engine's effect 45° up line
 - Compensated Engine's effect 45° up line SV
- 3_Stalls
 - Symmetric S and L
 - Asymmetric S and L
 - Symmetrical turn
 - Slipping left turn
 - Skidded left turn
 - Skidded left turn with wrong ailerons

Positive Aerobatics

- 1 Warm up and Vertical lines
 - Check of the harness
 - Warm up figures
 - Check Vertical Up lines and L and R triangles
 - Check vertical down line
 - Calibration of 45 ° Up line
- 2_Engine and control's effect Inverted
 - From Fast to slow Inverted
 - Adverse Yaw while Inverted
 - Rudder's effect Inverted
 - Engine's effect 45° Inverted Up line
- 3_Half and Full Roll
 - Half roll and return
 - Early push SV
 - Push too soon and not enough rudder SV
 - Full roll S and L
 - Release forward stick too soon SV

4_Loop Half cuban and Reverse half cuban

Loop

With left aileron SV

Too much pull SV

Half cuban 8

Too much pull/aborted SV

Not enough stabilisation SV

Reverse Half Cuban 8

Too Shallow and too early roll SV

5_Outside turn and Positive flick

Outside Turn

Nose too low SV

Inside snap

Angle of Attack SV

Unload then aileron SV

Release left rudder input SV

Too much forward stick SV

Too much back stick SV

6_Positive Spins

One turn positive spin like competition

Not enough forward stick SV

One and a quarter turn competition positive spin

Not enough forward stick SV

Two turns positive spin like competition

Spiraled spin

Positive spin «hands free» procedure

Several turns of positive flat spin

Wrong use of aileron during recovery SV

Secondary spin

Cross over positive spin

3_Stall turn Immelman

Stall turn/Hammerhead

Too much forward stick SV

Transformed in negative spin left rudder SV

Transformed in negative spin right rudder SV

Immelman

Too slow speed SV

C Negative Aerobatics

1_Rolls et Avalanche

Full roll from Inverted

Not enough forward stick SV

4 point roll

Avalanche

Not enough speed SV

2_Negative spins

Negative spin

Spiraled

Sharp recovery

Cross over

One turn like competition

Not enough back stick SV

One and a quarter turn like competition

Not enough back stick SV

3_Outside loop

Half upward outside loop

With right aileron SV

With left aileron SV

Too slow on top SV

Half downward outside loop

Aborted SV

Full outside loop

- 4_ Inside Rolling turns
 - Inside Rolling turn
 - Barreled SV
 - Educational excercise (hesitation) SV
 - Nose too high SV
 - Too much back stick on start SV
- 5_ Negative Immelman and Reverse Half cuban
 - Negative half cuban 8
 - Stick not neutralized SV
 - Negative reverse half cuban 8
 - Too shallow abort SV
 - Negative Immelman
 - Nose too low during half roll SV
- 6_ Stall turn from inverted and right stall turn
 - Negative stall turn
 - Stall turn with negative exit
 - Exit too much anticipated SV
 - Right stall turn
 - Right rudder too long leads to spin SV
- 7_ Vertical Rotations
 - Vertical Rotation
 - Left one slow down SV
 - Left pos and push SV
 - Left neg and pull SV
 - Right pos and push SV
 - Right neg and pull SV
 - Pushed Humpty bump
 - Push too late SV
- 8_ Outside snaps
 - Negative snap
 - Angle of Attack SV
 - Full outside snap on 45° up line
 - Half neg 45° down line
 - Opposite rudder on stop SV
 - ¾ outside snap up line
 - Not enough push on stop SV
- 9_ Outside rolling turns
 - Outside rolling turns
 - Barelled SV
 - Educational excercise (hesitation) SV
 - Nose low DANGER SV
 - Opposite rolling turns
 - One roll in 180°
- 10_ Inside snaps different lines
 - ½ inside snap 45° up line
 - Stop with right rudder SV
 - ½ positive flick vertical up line
 - 1 et ½ positive snap S and L
 - ¾ pos up
 - Starting with left wing low SV
 - Starting positive SV
 - 1 et ¼ inside snap down line
 - Too much back stick on start SV
 - Too much left rudder on start SV
- 11_ Tail slide and cross over flicks
 - Canopy up Tail slide
 - Canopy down tail slide
 - Outside snap from erect
 - Inside snap from inverted

12_ Loops and Rolls

- Square loop
- Diamond
- Positive loop downward with one roll
- With a 4 point roll
 - With a snap on the fourth hesitation SV
- Positive loop with an 8 point roll on top

13_Cross wind corrections

- Programme flown with NO cross wind correction
- With wind correction

D_Free Style Aerobatics

1_Spins Combinations

- Several turns of positive flat spin
 - Wrong use of aileron during exit SV
- Spin Left Right Left
- Positive flat spin with inverted exit
- Negative flat spin

2_Rolls and Snaps variation

- Linking rolls
- Full roll in a quarter positive loop upward
- One and a quarter inside snap on 45° up line
- Snapped rolling turns
- Inside snaps on a 45° down line
- Inside snaps on a vertical down line
- Knife Edge pass
 - Wrong attitude SV

3_Tumbles

- Tumble
 - Soft (Educational Excercice) SV
 - Consequences of aileron input SV
 - Incorrect exit means danger negative flat spin SV
 - Exit at 90° of original axis SV
- Right Ruade from inverted S and L

4_Torque roll Tumble up line

- Torque roll
- Tumble LL up et Torque roll
- RR Tumble et torque roll
- Flick neg up and rolls

5_Eventail Advanced Spins

- Eventail
- Knife edge spin
 - Too early rudder on exit SV
- Patricoide
- Positive flat spin knife edge spin and negative flat spin

E_Free videos and Docs