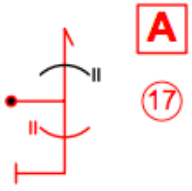
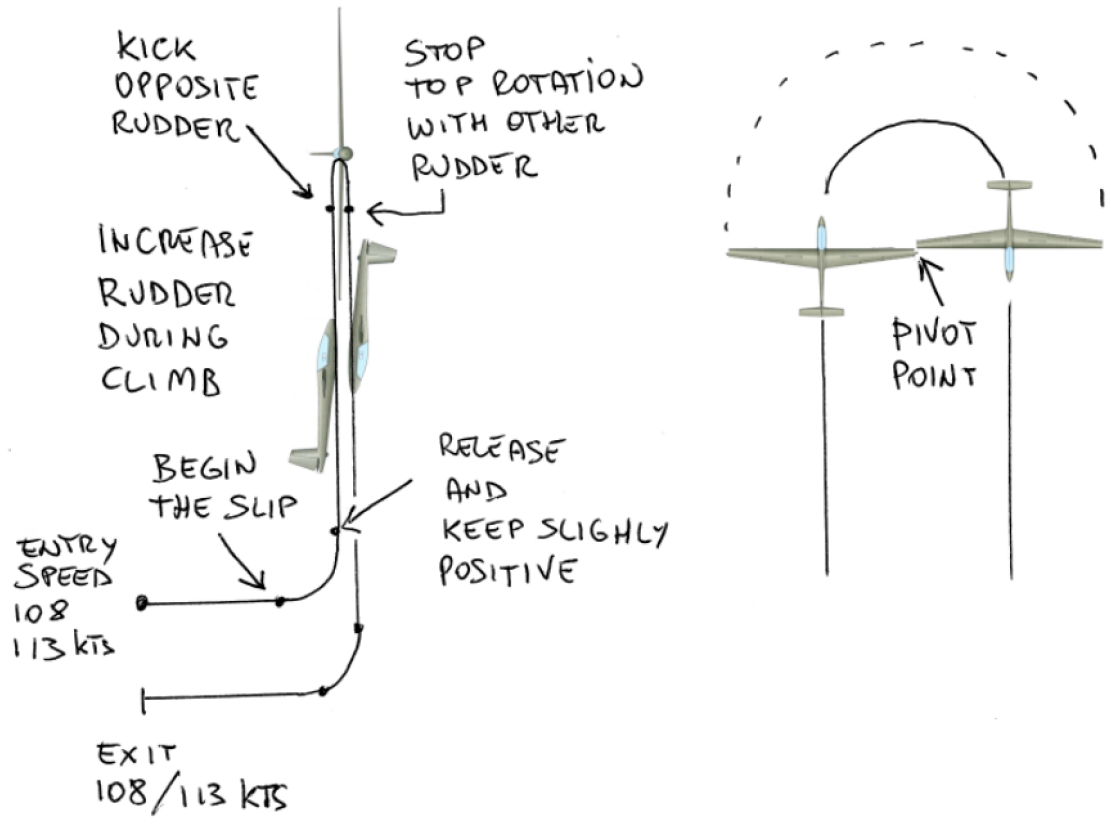


Lesson:	Stage:	Program:	Pilot:	Date:
<b>STALL TURN</b>	FIGURE TRAINING	BASIC AEROBATIC TRAINING		
<b>Family &amp; number</b>	FAI Sporting Code, Section 6 Part 2 - Glider Aircraft V 2016-2, page 47			
5.2.1.1				
	K 17	Glider:		
	i.e.: 8.5 evaluation will give you 144 points in the scores (8.5 x 17)		Blanik, PW6-U, ASK21, MDM FOX	
<b>Ground instruction</b>		Duration:	45 minutes	
<p>Theory and aerodynamics explanation, flight manual limitations, Glider model explanation, Condor simulator demonstration, entry speed (100kts solo 110kts dual), external references, how to execute the stall turn to get best scores and look impressive, how to start the figure where to pull and how, how to perform a perfect vertical and pivoting on wing tip during the roll, hands positioning, rudders action, needed G force, repeat movements for muscle memory, ground training mimic, checks: airspace, speed, wing preparation (training stages only). Watch video and learn/understand key points remarks for in flight reference.</p>				
				
<b>In Flight Calls Marks</b>				
<p>“110” (get that speed), “bank” (wing preparation), “up and rudder” (pull up to almost vertical - keep slightly positive - and give enough opposite rudder), “go” (kick in full same turn rudder)</p>				

<b>Flight 1 &amp; 2</b>	5000ft			
Familiarization. Stall Turn demonstration to feel G force, get used with vertical ascent, top turn evolution on vertical plane (cut the horizon at a 90° angle), student passive on controls. 2nd Stall Turn demonstration with vocal remarks of key points and stick/rudders force action. Student passive on controls/rudders, to follow the movements and keep sight on external reference. Student try free with no vocal correction by instructor. Second demonstration with remarks on main key points and timing of rudders execution. Student try with Instructor semi active on controls to guide stick pressures. Student try, Instructor call key points. Flight evolves based on student response.				
<b>Flight 3,4,5</b>	5000ft			
Consolidation. Student performs at least 3 stall turns. Eventual corrections starting from biggest key point to correct. Eventual demonstration. Student performs with corrections. Switch to other figures.				
<b>Flight 6 and more</b>	5000ft			
Calibration. Student performs 1 Stall Turn. Remark of eventual corrections starting from biggest key point to correct. Student performs additional Stall Turn with corrections wanted. Student begin to perform Stall Turns on other side, also.				
<b>Debriefing</b>				
Positive remarks on figures, key points to perform better and how, student opinions on improvements and/or achievements.				
<b>Warnings &amp; Disclaimer</b>				
Like any other lesson of the course, every flight MUST be done with an experienced Aerobatic Pilot CFIG on the machine in use. In case of the Stall Turn do not perform at low altitudes.				
<b>Completion standards</b>				
Once the Stall Turn is performed smoothly with coordination between rudders action and stick action, on both sides: left and right. Situational awareness within standards: everything under control (airspace, speed, G loads, orientation). Recovery from missed stall turns (how to avoid tail slide). Entry speed the same as exit speed, sight on the right places during the execution of the Stall Turn. Developed necessary sensitivity to G force and coordinations of movements becomes automatic on both sides. Entry and Exit G force must not exceed necessary values for glider used and must be kept at all times enough below envelope limitations.				
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