

## WINGS TEST CHECK LIST TURBINE JET (TJ)

Before obtaining a Jet Wings qualification the applicant shall already hold a basic power Wings certificate

		Pass	Fail
<b>1- Pre-start Checks</b>	Understanding of Frequency control measures		
	Can describe the functions of a flight line observer		
	Check model integrity, control surfaces, wing and tail mounting & exhaust ducting, if used.		
	Check of control surface direction when operating Transmitter		
	Check of correct model on Transmitter and perform range check		
	Student to be able to perform a complete and thorough safety check of entire model		
	Student able to talk about the importance of Centre of Gravity		
	Student able to discuss disorientation and correction		
	Student able to talk about flying etiquette		
	Check fuel tap closed before filling tanks and that there are no leaks		
	Battery charged check and student able to describe battery care /cycling/testing		
Can describe the starting precautions of turbine models and the safety procedures for helpers and on lookers. Have a fire extinguisher of the Co2 type ready at all times			
<b>2 - Starting</b>	Model restrained and facing in to wind		
	Opening of fuel valves		
	Application of ground support unit or hand data terminal		
	Awareness of high temperatures ,and direction of exhaust in relation to on lookers		
<b>3 – Take Off</b>	Student able to describe the procedure for "Flame out" on take off		
	Model maintains straight path down runway and gains plenty of speed before takeoff		
	Climb out not be too steep. Straight directional heading maintained.		
	Constant rate of climb maintained and then gentle turn into circuit		
<b>4 – Level Flight</b>	Model must pass up centre of runway maintaining constant heading		
	Constant speed and height maintained		
<b>5 – Procedure Turn</b>	Model approaches straight and level		
	Turns are of approx equal radius		
	Manoeuvre does not move down wind		
	Exit is at same height and heading as entry		
<b>6 – Figure 8</b>	Model approaches straight and level		
	Cross over point is in front of TX		
	Turns are of approx equal radius		

		Pass	Fail
	Manoeuvre does not move down wind		
	Exit is at same height and heading as entry		
<b>7 - Stall</b>	Angle of attack is increased until model stalls		
	Nose is dropped and speed increased before returning to level flight		
	Any loss of heading is corrected		
<b>8 – Left Hand Circuit and Landing Approach with Overshoot</b>	Minimum 2 circuits Model straight and level		
	Model approaches straight and level		
	All turns are 90 degree		
	All sides are straight		
	Descent doesn't start before down wind leg		
	Model maintains constant rate of descent and constant heading		
	Model is lined up on strip at exit of final circuit turn		
	At approx 3m above ground power is applied and climb commenced		
	Heading remains constant through out decent power change and climb out		
	Climb out is at constant rate of climb		
<b>9 – Right Hand Circuit and Landing</b>	Minimum 2 circuits Model straight and level		
	All turns are 90 degrees		
	All sides are straight		
	Descent doesn't start before downwind leg		
	Model exits final turn lined up with runway		
	Rate of descent and heading remain constant		
	Model is gently flared and touches down with a minimum of bounce.		
	Model maintains heading while rolling to a stop.		
<b>10 – TakeOff Within 10 Mins Of Landing</b>	Model maintains straight path down runway and gains plenty of speed before takeoff		
	Model gained plenty of speed for takeoff		
	Climb out not be too steep. Straight directional heading maintained.		
	Constant rate of climb maintained and then gentle turn into circuit		
<b>11 - Left Hand Circuit and Simulate Dead Stick Landing</b>	Throttle pulled back to idle		
	Model turned into wind		
	Rate of descent and heading remain constant		
	Model is gently flared and touches down with a minimum of bounce.		
	Model maintains heading while rolling to a stop.		