POWERED SAILPLANE (SLG & TMG) TRAINING AND ENDORSEMENT SYLLABUS: SELF LAUNCHING

Name	Member Number
Club	
Gliding hours (total)	(Last 12 Months)
Launches (total)	(Last 12 Months)
Power flying experience (hrs)	Tug-pilot?
Powered sailplane experience	

Following satisfactory completion of this syllabus the pilot may be issued with a logbook endorsement by a GFA Level 2 or higher rated Instructor.

Pilot:		**GFA No:**	
Description of Exercise	**Briefed by**	**Competent**	**Date**
1. Aircraft Technical Knowledge References: Power Sailplane Manual; Aircraft Flight Manual (AFM). (a) Aircraft ground handling-propeller/magneto safety and awareness. (b) Fuel and oil handling; safety precautions; refuel procedure; bonding/electrical potential; fuel and oil types used in powered sailplanes; correct fuel and oil grade for specific type as per AFM; mixing two stroke fuel; fuel water contamination check. (c) Daily inspection of engine, propeller and systems. (d) Engine instruments; interpretation of instrument indications and limitations. (e) Effect of density altitude on performance. (f) Aircraft limitations as per the AFM. (g) Daily Inspector (DI) authorisation on type. (h) Calculate Weight & Balance.			
2. Flight Rules and Procedures applicable to power operations References: Visual Flight Guide; Operations in the vicinity of non-controlled aerodromes (AC 91-10); Aeronautical Information Package (AIP) books. (a) Visual Flight Rules. (b) Airspace Classifications and requirements. (c) Prohibited/Restricted/Danger areas. (d) Knowledge of required charts and publications (WAC, VNC, VTC, ERC, PCA, ERSA, etc.). (e) Magnetic Track/Altitude requirements. (f) Radio and operational procedures on or in the vicinity of certified, military, registered or designated non-controlled aerodromes. (g) Air Legislation.			
3. Flight Training References: Power Sailplane Manual; Aircraft Flight Manual (AFM). (a) Start procedure, including safety precautions. (b) Cockpit checks: Pre boarding (ABCDEF); Pre take-off (CHAOTIC IFPCRB - or pre take off checks as per the			

	AFM); Pre landing (FUST IFPCRB); Pre aerobatic (HASELL); Vital Action Checks (CFMOST/CFM). (c) Engine handling and warm up. (d) Taxiing. (e) Additional checklist items (refer AFM). (f) Propeller and propeller system operation. (g) Effect of engine/propeller on take-off. (h) Effects of cross wind on take-off/possible loss of rudder control on tractor engine types. (i) Engine monitoring/limitations. (j) Level flight at various power settings. (k) Maintaining a heading/altitude. (l) Compass errors - Overshoot North/Undershoot South (ONUS). (m) Climbing and descending turns. (n) Steep turns while maintaining altitude. (o) Steep turns with engine off/engine retracted/propeller feathered. (p) Stalls; engine on and torque effect, and engine off. (q) Stalls; using power to minimise height loss. (r) Incipient spin (if approved); engine torque effects, and direction of engine/propeller rotation considerations. (s) Sideslipping (refer AFM); consider idiosyncrasies of type. (t) In-flight engine shut down procedures; propeller feathering; Engine cooling and retraction. (u) Instrument systems management; shut down, start up; Static/total energy switching. (v) Glide performance considerations; engine extended, propeller feathered/unfeathered. (w) In-flight engine start procedures; warm up. (x) Circuit joining; engine off and on. (y) Circuit joining with other traffic. (z) Engine-on landings, float effects and use of throttle. (aa) Engine-off landings. (bb) Thermal joining engine-on/engine-off. (cc) Outlanding; engine management and pop up disciplines, managing the workload. (dd) Icing conditions including carburettor icing (ee) Emergency Procedures. (ff) Engine failure after take-off. (gg) Engine restart with discharged battery. Air start procedure; use of G force assistance. (hh) Engine/electrical fires. (ii) Carbon Monoxide (CO); detection and effects.			

I hereby certify that the candidate has been trained in accordance with the above syllabus and a logbook endorsement issued.

Signature ..... Date: .....

Instructor Name..... GFA No. .....

NOTE FOR APPLICANT: Please upload this form to your 'JustGo' membership profile:

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3. *Click on 'Add Credential';*
4. *Select 'Self Launching Sailplane' credential;*
5. *After completing the various fields, you should upload a signed copy of this Certificate.*