

THE GLIDING FEDERATION OF AUSTRALIA

Powered Sailplane Training and Endorsement

(Issue 1, April 2007)

GFA pilots without previous "power" experience sufficient to meet the standards detailed in Operations Directive 1/07 to qualify for Powered Sailplane Endorsement are to be trained and endorsed as follows:

SYLLABUS

Pilot:	GFA No:
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Self Launching

1. Aircraft Technical Knowledge.
Reference: Power Sailplane Manual, Aircraft Flight Manual.

- a) Calculate Take Off Weight
- b) Fuel handling, refuel procedure, correct fuel grade.
- c) Check fuel for water contamination.
- d) Daily inspection engine and systems.
- e) Engine instruments, interpretation of readings and limitations.
- f) Effect of density altitude on performance.

Trainer/Instructor to sign on satisfactory completion of this section.

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

NameQualification.....

2. Flight Rules and Procedures applicable to power operations.
Reference: Visual Flight Guide. Operations at Non Tower Aerodromes.

- a) Visual Flight Rules
- b) Airspace Classifications and requirements.
- c) Prohibited/Restricted/Danger areas.
- d) Knowledge of required charts and publications (WAC, VNC, VTC, ERSA).
- e) Magnetic Track/Altitude requirements.
- f) Operational Procedures at Non Tower Aerodromes.
- g) Right of Way rules.

Trainer/Instructor to sign on satisfactory completion of this section.

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

NameQualification.....

3. Flight Training. NOTE. Use those items applicable to aircraft type.
References: Power Sailplane Manual, aircraft Flight Manual.

- a) Start procedure including safety precautions.
- b) Engine handling and warm up.
- c) Taxying.
- d) Additional checklist items.
- e) Effect of engine/propellor on take off.
- f) Engine monitoring/limitations.
- g) Level flight at various power settings.
- h) Steep turns maintaining altitude.
- i) Stall using power to minimise height loss.
- j) In flight engine shut down procedures.
- k) Glide performance including engine extended/unfeathered.
- l) In flight engine start procedures.
- m) Engine on landings.
- n) Engine off landings.
- o) Emergency Procedures.
- p) Engine fail after take off
- q) Engine restart with discharged battery
- r) Engine/electrical fires.

Trainer/Instructor to sign on satisfactory completion of this section.

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

NameQualification.....

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

Cross-Country/Touring

Planning.

1. Access the following information,
 - a) NOTAMS
 - b) Aviation Meteorological Forecasts.
 - c) Time of Last Light.
2. Interpretation of meteorological information,
 - a) Area Forecasts
 - b) Aerodrome Forecasts.
 - c) Weather Reports.
3. Route Selection. Use of aeronautical charts to plan the route in relation to,
 - a) Weather.
 - b) Terrain.
 - c) Airspace.
4. Navigation. Calculation of,
 - a) Track.
 - b) Distance
 - c) Heading.
 - d) Ground speed.
 - e) Elapsed Times.
 - f) Fuel Requirements.
5. Flight Notification.

Methods of notification of intended flight details and arrival time.

Trainer/Instructor to sign on satisfactory completion of this section.

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

NameQualification.....

Flight training.

1. A minimum of two dual multi-leg cross country flights totalling at least 5hr.

For pilots who have completed at least one 300km cross-country soaring flight as pilot in command in a non-powered sailplane. A minimum of one multi-leg cross-country flight totalling at least 2hrs

2. The student to receive training in:-
 - a) Map Reading.
 - b) Compass use and errors.
 - c) Flight Log Management.
 - d) Diversion Procedures.
 - e) Flight Rules and Procedures applicable to route.

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

NameQualification.....

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

Controlled Airspace

Reference: Visual Flight Guide, ERSA

1. Use of Transponder.
2. Standard words and phrases.
3. Standard Calls applicable to;
 - Class D aerodromes,
 - GAAP aerodromes,
 - Class C aerodromes.
4. Interpretation of ERSA and VTC.

Flight training. (Circle applicable class of airspace)

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|-------------------------|--------------|
| 1. Departure Procedures | D / GAAP / C |
| 2. Circuit Operations | D / GAAP / C |
| 3. Arrival Procedures | D / GAAP / C |
| 4. Transit Procedures | D / GAAP / C |

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

NameQualification.....

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