



SAGA/GFA Minor Composite Repair Enrolment form

Hosted by **AV8 Flight Training** and **Airborne Research Australia**.
Hangar 60 Dakota Drive, Parafield Airport SA
30th September - 4th October 2019

Name:	
Email:	Mobile:
Gliding Club:	GFA number: M-

Other Ratings Held:

Applicant Signature:	Date / /
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Course Fees (incl GST):

\$550 GFA members

\$150 Juniors (under 26) includes 30 day introductory membership for non-members

\$1100 Non GFA members includes 30 day introductory membership for non-members

Please make payment to:

AV8 Flight Training

BSB: 065 150 Account: 1069 0079

Please use your **surname** and **MICOM19** as the reference.

Please complete and forward to cath@av8.net.au by 7th September 2019 along with a payment receipt. The course is limited to 16 attendees so you are encouraged to return the form early.



GFA Minor Composite Repair Information

SAGA in partnership with Airborne Research Australia and AV8 Flight Training, is conducting a Course and Assessments for GFA Airworthiness Authorities for Minor Composite Repair from 30th September – 4th October at Parafield Airport, SA (see directions on last page), at the facilities of Airborne Research Australia.

The course involves one week of intensive theoretical and practical work.

What is the course structure?

The course is made up of workshop and seminar sessions on practical sailplane damage assessment, repair and relevant theory for composite structures. All work will focus on approved procedures and data as well as interpretation and completion of all appropriate documentation for the repair of minor damage to composite sailplanes. Organised activities are scheduled daily throughout the course from 9am to approximately 5.30pm Monday to Friday. Lunch, morning and afternoon tea will be provided during the course.

What documentation should I read prior to the course and where is it available?

Sailplane maintenance in the GFA system is controlled by the GFA Manual of Standard Procedures, Part 3, which is a series of documents available for download at the Gliding Australia website.

In addition, the course is based on material in Basic Sailplane Engineering, v24 and the Minor Composite Repairs Syllabus as appropriate. Further approved data can be found in Ursula Hänle's Petit Plastic Plane Patch Primer.

You will be referring to these documents in either digital or paper format throughout the course.

Some material and documentation will be provided after enrolment via online access and during the course.

What are the prerequisites for attending and completing the course? The prerequisites for acceptance in the course are as follows:

1. The candidate must be a current member of the GFA (Introductory Membership is acceptable for the course but must be upgraded to exercise the privileges of this rating on GFA registered sailplanes and motorgliders.
2. The candidate must hold an Annual Inspector Rating to exercise the privileges of this rating on GFA registered sailplanes and motorgliders although you are welcome to attend the course without this rating.
3. Other industry/sport aviation students are able to attend this course to gain practical experience. Recognition of the course content is then up to you to follow up with your relevant authority.

If you are uncertain about these prerequisites contact the course organisers for information and to discuss any issues.

What parts of the course do I need to attend?

Attendance on all days is required to gain a rating so that all assessment exercises can be completed. Candidates are expected to familiarize themselves with all materials issued to them and to have completed any written assessment work. The instructors at the course will assist candidates to achieve their objectives in any way that they can and they will assess candidates' abilities,

attitudes, diligence and workmanship during workshop sessions and their understanding and ability to work within the GFA's airworthiness system.

What certifications, ratings or Airworthiness Authorities might I expect to gain during the course?

Candidates who meet the relevant prerequisites and satisfactorily complete the practical work and other assessment will be issued with a rating for minor composite repairs. The Gliding Federation of Australia, as a delegate of the Civil Aviation Safety Authority (CASA), is the issuer of the Airworthiness Authorities for maintenance work on Sailplanes registered in Australia as Australian Registered Aircraft.

What tools and equipment should I bring to the course?

Candidates should bring their own basic set of tools, including the following:

1. A Schedule of Experience airworthiness logbook (one can be purchased at the course for \$20 if you don't have one already)
2. A water bottle for hydration while out at the hangar
3. A strong battery-operated light or torch
4. A small mirror, such as used for daily inspection
5. Personal protective Equipment, including protective ear and eyewear (rather than ordinary reading glasses), protective clothing (e.g. overalls), sturdy footwear, disposable gloves, dust masks and respirators.
6. Sanding tools and sandpaper. Hand tools are most appropriate for minor repairs. A Dremel or equivalent is acceptable.
7. Disposable paint brushes
8. Scissors and/or rotary cutter suitable for cutting composite cloth
9. Paint gun for finishing work
10. Clipboard, writing paper and writing materials. Electronic note taking is ok, but often we will need quick notes written down directly on the aircraft so old-school items are useful

Candidates who may not be able to bring their own equipment, for example if they are flying-in from interstate, should contact the course organisers to make alternative arrangements.

What tools and equipment will be available at the course?

Specialized tools, measurement devices, equipment and hardware will be provided for use during the assessment period. Candidates will be required to demonstrate their ability to competently and safely use these items for a number of tasks that will be assessed. A list is given below:

1. Resin and hardener
2. Composite cloth and other repair materials as required
3. Mixing containers and paddles
4. Scales and syringes
5. Cotton flock, aerosil, microballons as required
6. Air compressor

What Documentation will be needed for the course?

Prior to the course, candidates should familiarise themselves with the contents of:

1. MOSP Part 3 Version 8,
2. Basic Sailplane Engineering Version 24 (for revision)
3. Ursula Hänle's Petit Plastic Plane Patch Primer.

These documents are available on the internet.

What accommodation is available for the course?

There are numerous motels in the area close to Parafield. Contact the course organisers if you require help.

What are the arrangements for meals?

Lunch, morning and afternoon tea will be provided during the course. There will be no kitchen facilities available for candidates to prepare their own meals. Please let us know of any dietary requirements.

What type of weather can I expect?

The club's facilities are located at Parafield Airport in the Adelaide northern suburbs. Lectures will be conducted in the training room in the hangar (heated) and workshop sessions will take place on the hangar floor.

What is the course fee?

The Course fee is \$550, inc GST, which is inclusive of course materials, lunch, morning and afternoon tea. Payment details are on the application form. \$1100 for Non GFA members and a discounted rate for Juniors of \$150. Non GFA and Junior non GFA members fees include 30 day introductory membership for those who are not currently GFA members. Adelaide University Gliding Club invites these participants for a weekend of flying at Stonefield at members rates after the course.

Please note that in order to exercise the privileges of this rating, you must have a 12 month membership with the Gliding Federation of Australia. Course instructors can advise on a suitable membership category on the conclusion of this course.

Who should I contact to enrol in the course or to ask questions about the course?

To enrol please email a completed copy of the enrollment form to cath@av8.net.au. Questions about the course please contact Catherine Conway 0429 803 705. In particular, please contact Cath, in confidence, if you have any special requirements or if you feel that you may have some issue which may hinder you from involvement in aircraft maintenance.

Where is the course located and how do I get there?

Airborne Research Australia has a hangar facility at Parafield Airport. The address is Hangar 60, Dakota Drive but hangars on the airport are not numbered sequentially.

Enter the airport at the traffic lights on Kings Rd and proceed down Dakota Drive. ARA has a sign out the front of the office building and a gravel carpark just past the office. FTA have a large sign on their simulator building opposite the entrance. Parking is available and for those bringing gliders, there is ample parking for trailers.

A train from Adelaide stops at Parafield station within walking distance. Arrangements for pickup can be made. Please advise by email if you are planning train travel.