



The Tingalpa

November—December 2009

T R A N S M I T T E R

Tingalpa Model Aero Club – www.tmac.asn.au



MANAGEMENT COMMITTEE

President.

Allen Danvers

President@tmac.asn.au

Secretary.

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Treasurer

Vacant

Registrar

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Committee member (Liaison Officer).

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Committee member (Editor)

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Committee member (Web Master)

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Committee member

Glenn Crossley

Committee member (Field maintenance)

Gregor Kruberg

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TMAC Life Members

Doug Kent, Will Sipma

TMAC Life Member's Trophy.

Adrian Hellwig

Flight instructors.

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Noel Wilson (07) 3890 2520

Heavy model inspectors.

Chris Howarth, Ian Howard, **Heavy & giant models** Kevin Dodd, Doug McIlwraith, Richard Symes.

Turbine model inspectors

Kevin Dodd, Phil Collins.

From the Editor.

I think I am going to have to stop commenting on the weather. Last edition I was commenting on the great flying weather we were having. However seems I must have upset the weather gods or something because we have had a long spell of dry windy weather. Oh well makes for good cross wind flying practice.

However seems the heli guys had a great day back in September. Dave Walker has provided some words and pictures.

I am tempted to say this is a big bumper issue (16 pages instead of the usual 12) however a large part is taken up with proposed changes to the club rules. This has been worked on for some time by the committee and is aimed at bring our rules into line with current practice.

As was noted in the last issue and again this time we are still without a Treasurer. There must be somebody out there who can add up and has the basic computer skills required. Please stand up and help your club.

Peter Biddle

All pictures in the Transmitter are taken by the editor unless otherwise noted.

On The Cover
Some of the action from this year's Heli Day at TMAC.



From The President

The new committee is fortunate to see the club in such good condition. The field and general membership in great shape, and plenty of resources to begin work on existing programs, new projects and future plans.

Thanks to the previous committee the hand over has been smooth and seamless. Members will notice that the Treasurer position is not yet filled. This allows us to review some aspects of the role and how it works with the registrar position and look for a new occupant over the next few months. Phil Gartshore has been covering the role and putting in a great effort to consolidate the financial records we have accumulated over the years and streamline procedures ready for the next Treasurer and those that follow. Anyone interested in the Treasurer position should contact me or Phil and discuss *what you can do for your club and members*.

At the October general meeting a decision was taken to provide a 2.4GHz keyboard with 10 slots for our helicopter facility. A new keyboard will be installed soon and Operational By-Laws will be adjusted to allow this.

The main keyboard in the pound area will still have 10 slots available for 2.4GHz as well and retain frequency control for all other sets/frequencies. Unless you are in the helicopter area using a 2.4GHz set then frequency control remains exactly the same. Take care and be courteous with use of frequency time. Sets should go straight from your car to the pound and only be taken out for use, preferably in 20 minutes periods (or less).

We also decided to appoint a third commercial instructor. Noel Stewart will join Noel Wilson and Tony Glid-don in providing this service.

Next years calendar of events and our development program (wish list) need your input. The general meetings are the place to do this. Some members are getting restless for an Airshow or Big event. Projects and events take a lot of resources, energy and planning. The new committee is ready to take advice from you and need members to take on this work and help deliver the outcomes you want. Your attendance at General meetings will make a difference so please make the effort.

Let's get to the November general meeting have your say, and help Richard Symes prepare for a fantastic Bi-Plane & Warbirds day.

Allen Danvers

Secretary Report

Club Rules Update.

This edition of the Transmitter includes a special resolution to amend the club rules. The rules of incorporated bodies can only be changed by a special resolution passed at a club general meeting. The changes then have to be registered by the Office of Fair Trading within 3 months.

The requirement to update the rules covers three areas:

1. The requirement to allow electronic transactions in the form of the Debit Cards used in conjunction with the maintenance account;
2. The requirement to reintroduce amendments previously passed by special resolution, but not registered with the Office of Fair Trading and required under the Act; and,
3. The requirement to update the club rules to more closely reflect the Office of Fair Trading model rules for incorporated bodies.

The special resolution includes notes on the reason for the changes to assist you to understand the proposed changes.

In addition to the changes outlined above, the special resolution also proposes reducing the quorum for a general meeting from two times the Committee plus one, to one times the Committee plus one. This change is proposed as a result of more than one general meeting in 2009 failing to achieve a quorum. No business may be conducted at a general meeting unless there is a quorum of members when the meeting proceeds to business. The proposed quorum is the same as the model rule 36.

Please take the time to review the proposed changes, and come along to the November meeting, where they will be discussed. The resolution will be put to the December meeting.

Radio Interference.

You will recall that in an earlier column this year, I reported that there had been a number of reports of radio interference. Unfortunately, these were verbal, which makes it difficult to record the details on particular incidents.

In order that the committee can record these incidents, the committee has published a new form on the web site under publications that can be downloaded and sent to the secretary. Please complete one and send it in if you experience a suspected interference problem.

Heavy Model/Turbine Start Up Area

Peter Biddle is coordinating an update to this area. We will be putting down a concrete slab with provision for two heavy models, and enough area for turbine starts. This is scheduled for completion in time for the biplane and warbirds day in late November.

Field Top Dressing

We have been very lucky to have the support of the Brisbane City Council assisting the club with aerating and topsoiling the field. Some 90 tons of topsoil has been applied to the field. The strip is now much more level than before, and until we receive some rain, models display a small puff of "smoke" at touchdown. Thanks so much to Gregor Kruberg and Glenn Crossley for coordinating the activity. Thanks also the membership at large for being patient whilst the work was completed. The exercise also assisted us to "discover" a water pipe across the field, installed to provide water on the far side of the strip.

Gregor is continuing to ensure that the topsoil settles evenly by towing a perforated rubber mat behind the mower periodically. This smooths out any wheel tracks, and keeps the strip smooth and level. Now we just need some steady rain for a few days.

Insurance for Buildings/Improvements.

We have been contacted by the Brisbane City Council regarding a condition of our lease to insure buildings and improvements at replacement value. Thanks to Joe Luxford for assisting in getting insurance quotes for the club. We should have this resolved in the near future.

Boom Gate Damage

A truck has been backed into the boom gate, bending it. This has made it difficult to open and close. We have been saved by the timely return of Will Sipma from his world tour of Australia.

The gate is now repaired and in working order. Thanks so much Will.

Club Treasurer

The club received no nominations for the Committee Position of Treasurer at the Annual General Meeting. Until a Treasurer is appointed, the duties will be performed by the Secretary.

The handover have been completed in the month following the AGM and day to day financial operations are continuing.

Appointment of a third Commercial Flight Instructor.

The club has at times been without a Commercial Flight Instructor due to Noel and Tony both being away. It was approved at the October General meeting that Noel Stewart be appointed as a Commercial Instructor.

Safe flying everyone,
Phil Gartshore.

Field Maintenance Report

Most of you would have noticed by now the top dressing that has taken place on the strip, taxi ways and pit area. This project costing over \$6500 was financed entirely by the Brisbane City Council and carried out by contractors on their behalf. We are grateful to the Council for their special assistance and especially John Nightingale the Councils Turf Liaison officer who made this all possible.

Other projects that have been achieved by working bees or individuals during recent times include the following. Continued mowing of the strip, taxiways, Heli and pit area has always been meticulously done by Dave Walker. Other helpers include Joel Davison, Ron More, Jim Viles and Glen Crossley who have always been willing operators on the yellow flyer. Mowing maintenance of the entire field is a major task and would not happen without their generosity with time.

Other recent projects include removal of the saplings vigorously establishing themselves along the boundary fence line. Erection of the orange Hi Vis plastic netting at east and west approaches. Removal of the lower branches of the fig tree and Norfolk pine tree in the shade area. Repairs to water leaks at various points, and general weed and hedge trimming. Leaves and debris are regularly cleaned and blown from the pit area. Spraying of the bindi on the strip has removed all the bindi.

Will Sipma replaced our damaged boom gate only days after the return from his around Australia venture. Thanks Will. Martin Homann has done the unenviable task of keeping the toilet block in a decent state of cleanliness and deserves our thanks too.

These are just a few things that happen at the club without much fuss. If you see something that needs attention please use your initiative and do it. If the problem is difficult or expensive get in touch with a committee member.

TMAC wishes to thank the following members for offering their time either at working Bees or at other various times. Michael O'Donnell, Max Finlay, Peter Biddle, David Morrison, Charles Gray, Rob Gow, Martin Homann, Kevin Dodd, Ron Moore, Dave Sippos, Phill Gartshore, Col and Rebecca Jones. I may have missed some but thanks to all those as well.

Don't forget the club is your club. You are part owner so don't hesitate to pick up the rubbish or fix a leak. Anything can be achieved by a team effort or conversely in our environment, nothing much is achieved without the effort of a team.

Enjoy the flying, friendship and environment at this great facility.

Cheers—Gregor Kruberg
Committee Member



[Heli Day 2009 Report](#) [words and pictures by Dave Walker](#)

The day began with clear skies, little wind and a big free breakfast BBQ. This BBQ was put on by the club as a meet and greet, for TMAC's new President, Allan Danvers. Thank you, Allan for helping out at the BBQ, while we finalised preparation.

At this point I would like to thank all the fixed wing members of the club who came along. It's not very often they get to see such a wide variety of helicopters in one place.

At 8.45 we had the Pilots Briefing, which was conducted by Randall Mowlam and Dr. O. This covered Safety Procedures and Flight Line Procedure. Due to the top dressing of the field, large squares of carpet were used as landing pads. Something a little different for this field. There were 36 Registered Pilots and close to 50 helicopters on show. 3D helicopters were plentiful, along with an increasing number of Scale models. Great to see.

Flyers enjoyed a crash free day with many 3D demos from great pilots like Gavin Broadbent and young Koden. This event continues to be well supported from the heli community, with people coming from all around South East Qld. and Northern Rivers. There was a constant flow of pilots to and from the flight line, a lot of informative discussion and plenty of food and soft drink.

Wayne Brooks from Brooknet, joined us again, with his popular Phoenix Simulator. Many took the opportunity to try out the latest version of this great product.

Around Lunch time we conducted our lucky draw. This year we gave away another 450 Trex, compliments of Taiwa. Peter Reiksts from Airborne Maga-

zine, was the lucky winner. Other prizes won on the day were, a Phoenix Simulator donated by Brooknet, two \$50.00 Gift Vouchers, Gyro Protectors, Caps and Canopy Covers from Heli Hoods and Graphics. Thank you Bill Vale. Also, a first for this event, Commemorative Caps, produced by Gregor Kruberg and donated by TMAC. Well done Greg.

Personally, a big thank you, to Randall and Dr. O for a job well done. To Josh, Brendan, Dave, Jerry, Phil, Gary and all who helped out on the day, and the members of TMAC for letting us run this event, thank you.



Better Performance with Less Noise

By Brian Dorff

With the ongoing debate about the noise our little engines produce, much is being done to preserve our way of life while respecting the rights of others. At first, noise reduction sounds bad for pilots. We think that reduced noise means reduced power, and conventional wisdom supports this. It is not until you fully understand how engines and propellers operate that you will realize the gains that benefit not only our neighbors but our airplanes as well!

There are four contributors to the noise made by models (in no specific order): muffler type, engine speed (rpm), tip speed of the propeller, and vibration.

Muffler

The mufflers provided with today's engines are quite good for the rpm range in which they are designed to run. Mufflers that come with internal baffles should keep the baffles in. Removing them does nothing to boost power, it increases noise, and makes the engine idle poorly because of lack of back pressure. Pitts-style mufflers shouldn't have more exit area than the stock muffler does, and if it does, one of the ports may have to be partially or completely blocked. Again, this will help idle.

Engine speed

A large contributor of noise made by airplanes is an over-revving engine. Most modelers try to make their engines run as fast as possible, trying to obtain the rpm at which the manufacturer claims the largest brake-horsepower (BHP) number. What they don't realize is the peak efficiency for the engine occurs at peak torque, which is usually about 65%-75% of the peak BHP rpm.

Example 1: A manufacturer of a .46 engine claims 1.5 BHP at 16,000 rpm. After break-in you find that you can turn a 10 x 5 propeller at 15,500 rpm—very close to the peak BHP, but the airplane's performance is mediocre, it is loud, and consumes way too much fuel.

Now you find the engine's peak torque is about 70% of the peak BHP rpm (.70 x 16,000 rpm = 11,200 rpm). You switch to an 11 x 7 propeller and find that the rpm is 11,500. You are much closer to peak torque now, and the airplane flies better and is quieter because the frequency of the engine firing has reduced dramatically. The fuel also lasts longer, and the engine will last longer as well since it is not working as hard. A slower engine also helps in achieving the next goal ...

Propeller Tip Speed

The tip speed of the propeller is critical in quieting the airplane. The point where things get noisy is 560-feet per second or about 380 mph. Going more than 400 mph is a big no-no. Even in an airplane that is built for speed, you should be able to choose a quiet propeller.

Example 2: Same setup as the last example, the 10 x 5 propeller is at 15,500 rpm and the 11 x 7 propeller is at 11,500 rpm. The formula for tip speed in miles per hour is: (Diameter in inches)(3.1416)(rpm)/1056. The number 1056 is a constant that converts inches per minute to miles per hour. A 10 x 5 has a tip-speed of 461 mph (a no-no). (10)(3.1416)(15500)/1056 = 461.

We want our tip speeds no faster than 400 mph and it should be less than 380 mph if you want to keep your flying

site. The 11 x 7 at 11,500 rpm has a tip-speed of 376 mph. $(11)(3.1416)(11500)/1056 = 376$. The tip speed is now down to a moderate level. But how do these propellers compare in performance? You can calculate airspeed by using the propeller pitch and the rpm of the propeller. The pitch of a propeller is the second number in the propeller designation. This is the distance in inches that the propeller will travel through the air in one revolution.

Multiplying the pitch by the rpm and dividing by 1056 will give the calculated speed of the model. $5 \times 15,500/1056 = 73$ mph; $7 \times 11,500/1056 = 76$ mph.

So your airplane will actually be traveling slightly faster with the 11 x 7 than with the 10 x 5, while turning 4,000 rpm slower. This reduces engine noise, propeller noise, fuel consumption, wear and tear on the engine, etc., without compromising performance.

Propeller Loading Factor (PLF)

How do you know what to expect switching propellers? Being able to compare propellers before you run them is the key to optimizing your airplane's performance and getting rid of the noise. Say you are happy with the rpm that your engine is turning with the 11 x 7 propeller, but you want to try other propellers to see what you like best for flight performance.

Right now you are at the middle of the road, slightly fast and passable vertical performance, but what if you want more vertical? First we solve the PLF of our existing propeller, and then we compare it to others. $PLF = D \times D \times P$ (D=diameter, P=pitch)

The 11 x 7s PLF would be $11 \times 11 \times 7 = 847$ PFL (compared with the 10 x 5s or 10 x 10 x 5=500 PLF). Now let's see what else is out there. To increase vertical you should either increase diameter, decrease pitch, or both.

To keep a PLF close to the same you will have to do both. If you are trying to raise the rpm, decrease pitch—and if you are trying to slow the motor, increase diameter. I would try the 12 x 6 first and then the 13 x 5. They have close PLFs. This is for comparison only. Switching propeller brands or not balancing a propeller, among other things, can vary your results.

Vibration

How does the vibration of your model relate to the sound it makes in the air? Well, sound is vibration. Imagine your beautiful model—a nice wooden structure covered in drum-tight plastic covering. Think of it as a percussion instrument. The piston is traveling up and down like a drumstick pounding away at your model. And your model echoes every stroke it makes. The same thing happens with an out-of-balance propeller. Noise. It's everywhere! Your new mission: get rid of all vibration.

Start at the Propeller

It moves 300+ mph at the tip—balance it! It will remove noise because all that vibration won't exist in your airframe. Our neighbors will thank you and your receiver crystal, your servo pots, fuel tank, and NiCds will thank you as well. You will be rewarded with much greater reliability and a longer airframe life span. Also consider a high-quality spinner. They are better balanced and look nicer.

Back to the other cause of vibration—the engine. It is not possible to balance an engine dynamically at all speeds, so

some vibration will forever be present, especially with four-strokes. The only thing that you can do about it is to isolate the vibration from the aircraft, making less noise in the process. Iso-mounts vary in type and price; from rubber grommets between the firewall and the mount, to specialized mounts for specific engines and airplanes that cost \$100 or more. A popular one is made by Dubro and is for any 40-90-size 2c or 4c engine. It sells for \$20-\$30. Well worth the investment!

While it may not be feasible to make every one of these criteria work on your aircraft, it is important to keep these points in mind when getting your airplane ready to fly. If we

all do a little, we can make a big difference. Remember, a 3 dBA difference in sound and the intensity doubles. If you can make your airplane even 3 dBA quieter, you have made a huge cut in the noise that everyone around us has to hear. (Although the sound energy is halved for every 3 dBA drop, it takes a 10 dBA drop for the human ear to perceive the sound being half as loud. A 10 dBA drop results in one-tenth the original sound energy.)

This article was written by Brian Dorff from the Anoka County Radio Control Club, Coon Rapids, Minnesota and reprinted from the July 2009 edition of the AMA Insider.

TMAC

WARBIRD & BI-PLANE DAY

PLUS

SWAP 'N SELL



Sunday 29th November

Pilot briefing at 0845 hrs

VISITORS MOST WELCOME

BRING ANY AUTHENTIC WARBIRD OR BI-PLANE
ENJOY A DAY OF FUN FLYING.
BAR - B - Q AND DRINKS WILL BE AVAILABLE.



Notice of Special Resolution to change the rules of the Tingalpa Model Aero Club.

Background

Tingalpa Model Aero Club Inc. Management Committee has undertaken a review of the club rules against the current model rules issues by the office of Fair Trading (<http://www.fairtrading.qld.gov.au/association-constitution.htm>). As a result, a number of rule changes are required.

The Resolution

I, Phil Gartshore, being a financial Member of Tingalpa Model Aero Club Inc. propose the following special resolution:

That the following changes to the rules (Note: underlined text is added; strikethrough text is deleted) be made:

Rule	Change	Description	Notes
1a.	Inserted	<p>1a. Interpretation</p> <p>(1) In these rules: <u>Act means the Associations Incorporation Act 1981 in the State of Queensland.</u> <u>Present means:</u> (a) <u>at a management committee meeting, see rule 17(9); or</u> (b) <u>at a general meeting, see rule 24(6a).</u></p> <p>(2) A word or expression that is not defined in these model rules, but is defined in the Act has, if the context permits, the meaning given by the Act.</p>	Inserted to comply with the Model Rules: Rule 1.
9.	Updated	<p>9. Appeal against rejection or termination of membership</p> <p>(1) A person whose application for membership has been rejected, or whose membership has been terminated, shall have no right of may give the secretary written notice of the person's intention to appeal against the decision of the Association once.</p> <p>(2) A notice of intention to appeal must be given to the secretary within 1 month after the person receives written notice of the decision.</p> <p>(3) If the secretary receives a notice of intention to appeal, the secretary must, within 1 month after receiving the notice, call a general meeting to decide the appeal.</p>	Updated to comply materially with the model rules: Rule 11, and to allow for natural justice.
9a.	Updated	<p>9a. General meeting to decide appeal</p> <p>(1) The general meeting to decide an appeal must be held within 3 months after the secretary receives the notice of intention to appeal.</p> <p>(2) At the meeting, the applicant must be given a full and fair opportunity to show why the application should not be rejected or the membership rejection or termination has been ratified should not be terminated.</p> <p>(3) Also, the management committee and the members of the committee who rejected the application or terminated the membership must be given a full and fair opportunity to show why the application should be rejected or the membership should be terminated.</p> <p>(4) An appeal must be decided by a general majority vote of the members present and eligible to vote at the meeting.</p> <p>(2) The Association shall refund the amount of any fee paid by 5) If a person whose application for membership is has been rejected.</p> <p>(3) The Management Committee shall determine does not appeal against the decision within 1 month after receiving written notice of the amount, if any, of any fees to be refunded to a decision, or the person whose appeals but the appeal is unsuccessful, the secretary must, as soon as practicable, refund the membership is terminated fee paid by the person.</p>	Updated to comply materially with the model rules: Rule 12.
10.	Updated.	<p>10. Register of members</p> <p>(1) The management committee shall cause<u>must keep a</u></p>	Updated to materially comply

Rule	Change	Description	Notes
		<p>register to be kept in which shall be entered the names and residential addresses of all persons admitted to membership and the dates of their admission.</p> <p>(2) The register shall<u>must include the following particulars for each member:</u></p> <p>(a) the full name of the member; (b) the postal or residential address of the member; (c) the date of admission as a member; (d) the date of death or time of resignation of the member; (e) details about the termination or reinstatement of membership; and (f) any other particulars the management committee or the members at a general meeting decide.</p> <p>(3) The register must be open for inspection by members of the association at all reasonable times by any.</p> <p>(4) A member who previously applies to<u>must contact the secretary for such to arrange an inspection of the register.</u></p> <p>(5) However, the management committee may, on the application of a member of the association, withhold information about the member (other than the members full name) from the register available for inspection if the management committee has reasonable grounds for believing the disclosure of the information would put the member at risk of harm.</p>	with the model rules: Rule 13.
10a.	Inserted	<p>10a. Prohibition on use of information on register of members</p> <p>(1) A member of the association must not:</p> <p>(a) use information obtained from the register of members of the association to contact, or send material to, another member of the association for the purpose of advertising for political, religious, charitable or commercial purposes; or (b) disclose information obtained from the register to someone else, knowing that the information is likely to be used to contact, or send material to, another member of the association for the purpose of advertising for political, religious, charitable or commercial purposes.</p> <p>(2) Sub rule (1) does not apply if the use or disclosure of the information is approved by the association.</p>	Inserted to comply with the model rules: Rule 14.
10b.	Inserted	<p>10b. Appointment or election of secretary</p> <p>(1) The secretary must be an individual residing in Queensland, or in another State but not more than 65km from the Queensland border, who is:</p> <p>(a) a member of the association elected by the association as secretary; or (b) any of the following persons appointed by the management committee as secretary:</p> <p>(i) a member of the associations management committee; (ii) another member of the association; (iii) another person.</p> <p>(2) If the association has not elected an interim officer as secretary for the association before its incorporation, the members of the management committee must ensure a secretary is appointed or elected for the association within 1 month after incorporation.</p> <p>(3) If a vacancy happens in the office of secretary, the members of the management committee must ensure a secretary is appointed or elected for the association within 1 month after the vacancy happens.</p> <p>(4) If the management committee appoints a person mentioned in Sub rule (1)(b)(ii) as secretary, other than to fill a casual vacancy on the management committee, the person does not become a member of the management committee.</p> <p>(5) However, if the management committee appoints a person mentioned in subrule (1)(b)(ii) as secretary to fill a casual vacancy on the management committee, the person becomes a member of the management committee.</p> <p>(6) If the management committee appoints a person</p>	Inserted to comply with the model rules: Rule 15.

Rule	Change	Description	Notes
		<p>mentioned in subrule (1)(b)(iii) as secretary, the person does not become a member of the management committee.</p> <p>(7) In this rule, casual vacancy, on a management committee, means a vacancy that happens when an elected member of the management committee resigns, dies or otherwise stops holding office.</p>	
10c.	Inserted	<p>10c. Removal of secretary</p> <p>(1) The management committee of the association may at any time remove a person appointed by the committee as the secretary.</p> <p>(2) If the management committee removes a secretary who is a person mentioned in rule 10b(1)(b)(i), the person remains a member of the management committee.</p> <p>(3) If the management committee removes a secretary who is a person mentioned in rule 10b(1)(b)(ii) and who has been appointed to a casual vacancy on the management committee under rule 10b(5), the person remains a member of the management committee.</p>	Inserted to comply with the model rules: Rule 16.
10d.	Inserted	<p>10d. Functions of secretary</p> <p>The secretary's functions include, but are not limited to:</p> <p>(a) calling meetings of the association, including preparing notices of a meeting and of the business to be conducted at the meeting in consultation with the president of the association; and</p> <p>(b) keeping minutes of each meeting; and</p> <p>(c) keeping copies of all correspondence and other documents relating to the association; and</p> <p>(d) maintaining the register of members of the association.</p>	Inserted to comply with the model rules: Rule 17.
11.	Update	<p>11. Membership of management committee</p> <p>(1) The Management Committee of the Association shall consist of a President, Secretary, Treasurer, all of whom shall be members of the Association, and such number of other members as the members of the Association at any general meeting may from time to time elect or appoint.</p> <p>(2) At each annual general meeting of the association, the members of the management committee must retire from office, but are eligible, on nomination, for re-election</p> <p>(3) The election of officers and other members of the Management Committee shall take place in the following manner:</p> <p>(a) Any two members of the Association shall be at liberty to nominate any other member (the candidate) to serve as an officer or other member of the Management Committee;</p> <p>(b) the nomination must be:</p> <p>(i) in writing; and</p> <p>(ii) signed by the candidate and the members who nominated him or her; and</p> <p>(iii) given to the secretary at least 14 days before the annual general meeting at which the election is to be held;</p> <p>(c) Each member present at the annual general meeting shall be entitled to vote for any number of such candidates not exceeding the number of vacancies;</p> <p>(d) Should, at the commencement of such meeting, there be an insufficient number of candidates nominated, nominations may be taken from the floor of the meeting.</p> <p>(4) The Management Committee elected in accordance with sub-rule (3) of this rule shall take office 28 days after the said election.</p> <p>(5) A member of the management committee, other than a secretary appointed by the management committee under rule 10b(1)(b)(iii), must be a member of the association.</p> <p>(6) At the annual general meeting of the Association, all the members of the Management Committee shall be eligible upon nomination for re-election.</p> <p>(7) The management committee must ensure that, before a candidate is elected as a member of the management</p>	Updated to comply materially with the model rules: Rule 18.

Rule	Change	Description	Notes
		<p>committee, the candidate is advised— (a) whether or not the association has public liability insurance; and (b) if the association has public liability insurance— the amount of the insurance.</p>	
12.	Updated	<p>12. Termination of membership of management committee (1) AnyA member of the management committee may resign from membership of the Management Committee at any timethe committee by giving written notice in writing of resignation to the secretary but such, (2) The resignation shall taketakes effect at: (a) the time suchthe notice is received by the secretary unless; or (b) if a later datetime is specifiedstated in the notice when it shall take effect on that , the later date, or suchtime. (3) A member may be removed from office at a general meeting of the association where thatif a majority of the members present and eligible to vote at the meeting vote in favour of removing the member shall. (4) Before a vote of members is taken about removing the member from office, the member must be given the a full and fair opportunity to fully present a case. The question ofshow cause why he or she should not be removed from office. (5) A member has no right of appeal against the member's removal shall be determined by the vote of the members present at such a general meetingfrom office under this rule. (6) A member immediately vacates the office of member in the circumstances mentioned in section 64(2) of the Act.</p>	Updated to comply materially with the model rules: Rule 20.
14.	Update	<p>14. Functions of the management committee (1) Except as otherwise provided by these rules and subject to resolutions of the members of the Association carried at any general meeting the Management Committee - (a) shall have the general control and management of the administration of the affairs, property and funds of the Association; and (b) shall have authority to interpret the meaning of these rules and any matter relating to the Association on which these rules are silent, but any interpretation must have regard to the Act, including any regulation made under the Act. Note: The Act prevails if the association's rules are inconsistent with the Act; see section 1B of the Act. (2) The Management Committee may exercise all the powers of the Association - (a) to borrow or raise or secure the payment of money in such manner as the members of the Association may think fit and secure the same or the payment or performance of any debt, liability, contract, guarantee or other engagement incurred or to be entered into by the Association in any way and in particular by the issue of debentures, perpetual or otherwise, charged upon all or any of the Association's property, both present and future, and to purchase, redeem or pay off any such securities; (b) to borrow money from members at a rate of interest not exceeding interest at the rate for the time being charged by bankers in Brisbane for overdrawn accounts on money lent, whether the term of the loan be short or long, and to mortgage or charge its property or any part thereof and to issue debentures and other securities, whether outright or as security for any debt, liability or obligation of the Association, and to provide and pay off any such securities; and (c) to invest in such manner as the members of the Association may from time to time determine.</p>	Updated to comply materially with the model rules: Rule 22.
15.	Updated.	<p>15. Meetings of management committee (1) The Management Committee shall meet at least once once every two calendar months to exercise its its functions. (2) A special meeting of the Management Committee shall be convened by the secretary on the requisition in writing signed by not less than one third of the members of the Management Committee, which requisition shall clearly</p>	Updated to comply materially with the model rules: Rule 23.

Rule	Change	Description	Notes
		<p>state the reasons why such special meeting is being convened and the nature of the business to be transacted thereat.</p> <p>(3) At every meeting of the Management Committee a simple majority of a number equal to the number of members elected and/or appointed to the Management Committee as at the close of the last general meeting of the members, shall constitute a quorum.</p> <p>(4) Subject as previously provided in this rule, the Management Committee may meet together and regulate its proceedings as it thinks fit: Provided that questions arising at any meeting of the Management Committee shall be decided by a majority of votes and, in the case of equality of votes, the question shall be deemed to be decided in the negative.</p> <p>(5) A member of the Management Committee shall not vote in respect of any contract or proposed contract with the Association in which the member is interested, or any matter arising thereout, and if a vote is cast it shall not be counted.</p> <p>(6) Reasonable notice shall be given by the secretary to members of the Management Committee of any special meeting of the Management Committee. Such notice shall clearly state the nature of the business to be discussed thereat.</p> <p>(7) The President shall preside as Chairman at every meeting of the Management Committee, or if there is no President, or if at any meeting the President is not present within ten minutes after the time appointed for holding the meeting, the members may choose one of their number to be Chairman of the meeting.</p> <p>(8) If within half an hour from the time appointed for the commencement of a Management Committee meeting a quorum is not present, the meeting, if convened upon the requisition of members of the Management Committee, shall lapse. In any other case it shall stand adjourned to the same day in the next week at the same time and place, or to such other day and at such other time and place as the Management Committee may determine, and if at the adjourned meeting a quorum is not present within half an hour from the time appointed for the meeting, the meeting shall lapse.</p> <p>(9) The management committee may hold meetings, or permit a committee member to take part in its meetings, by using any technology that reasonably allows the member to hear and take part in discussions as they happen.</p> <p>(10) A committee member who participates in the meeting as mentioned in subrule (9) is taken to be present at the meeting.</p>	
22.	Updated.	<p>22. Quorum for a general meeting</p> <p>(1) At any The quorum for a general meeting <u>is at least</u> the number of members required <u>elected or appointed</u> to constitute a quorum shall be double the number of members presently on management committee at the Management Committee <u>close of the association's last general meeting</u> plus one <u>1</u>.</p> <p>(2) No business shall be transacted at any general meeting unless a quorum of members is present at the time when the meeting proceeds to business. For the purposes of this rule "member" includes a person attending as a proxy or as representing a corporation which is a member.</p> <p>(3) If within half an hour from the time appointed for the commencement of a general meeting a quorum is not present, the meeting, if convened upon the requisition of members of the Management Committee or the Association, shall lapse. In any other case it shall stand adjourned to the same day in the next week at the same time and place, or to such other day and at such other time and place as the Management Committee may determine, and if at the adjourned meeting a quorum is not present within half an hour from the time appointed for the meeting, the members present shall be a quorum.</p> <p>(4) The Chairman may, with the consent of any meeting at which a quorum is present (and shall if so directed by the meeting), adjourn the meeting from time to time and from place to place, but no business shall be transacted at any adjourned meeting other than the business left unfinished</p>	Updated to comply materially with the model rules: Rule 36, and also to reduce the previous requirement for a quorum. Model rules require more than 50% of the committee to be present. TMAC Rules previously require twice the committee plus 1. This has been reduced to the committee plus 1.

Rule	Change	Description	Notes
		<p>at the meeting from which the adjournment took place. When a meeting is adjourned for thirty days or more, notice of the adjourned meeting shall be given as in the case of an original meeting. Save as aforesaid it shall not be necessary to give any notice of an adjournment or of the business to be transacted at an adjourned meeting.</p>	
23.	Updated.	<p>23. Notice of a general meeting</p> <p>(1) The secretary shall convene general meetings of the Association at such time and at such place as provided in the by-laws made under these rules by giving not less than 14 days' notice of any such meeting to the members of the Association.</p> <p>(2) Notice shall be given to the member in writing and delivered by post, <u>by hand</u>, or by hand<u>electronic mail to the address provided on the membership form or on the association's web site.</u></p> <p>(3) Notice shall specify any motions to be proposed which require special resolution in accordance with the Associations Incorporation Act 1981, and/or resolution in accordance with rule 28(7) of these Rules.</p>	Updated to materially comply with the model rules: Rule 35, and to include additional methods of notice.
24.	Updated.	<p>24. Conduct of business at a general meeting</p> <p>(1) Unless otherwise provided by these rules, at every general meeting:</p> <p>(a) The President shall preside as Chairman, or if there is no President, or if the President is not present within fifteen minutes after the time appointed for the holding of the meeting or is unwilling to act, the members present shall elect one of their number to be Chairman of the meeting;</p> <p>(b) The Chairman shall maintain order and conduct the meeting in a proper and orderly manner;</p> <p>(c) Every question, matter or resolution shall be decided by a majority of votes of the members' present;</p> <p>(d) Every member present shall be entitled to one vote and in the case of an equality of votes the Chairman shall have a second or casting vote;</p> <p>(e) Voting shall be by show of hands or a division of members, unless not less than one fifth of the members present demand a ballot, in which event there shall be a secret ballot. The Chairman shall appoint two members to conduct the secret ballot in such manner as the Chairman shall determine and the result of the ballot as declared by the Chairman shall be deemed to be the resolution of the meeting at which the ballot was demanded;</p> <p>(f) A member may vote in person or by proxy or by attorney and on a show of hands every person present who is a member or a representative of a member shall have one vote and in a secret ballot every member present in person or by proxy or by attorney or other duly authorised representative shall have one vote (amended 14/4/86);</p> <p>(g) The instrument appointing a proxy shall be in writing, in the common or usual form, under the hand of the appointor or of the appointor's attorney duly authorised in writing or, if the appointor is a corporation, either under seal or under the hand of an officer or attorney duly authorised. A proxy may but need not be a member of the Association. The instrument appointing a proxy shall be deemed to confer authority to demand or join in demanding a secret ballot;</p> <p>(h) Where it is desired to afford members an opportunity of voting for or against a resolution the instrument appointing a proxy shall be in the following form or a form as near thereto as circumstances permit:-</p> <p style="text-align: center;"><u>TINGALPA MODEL AERO CLUB INC.</u></p> <p>I, _____ of _____, being a member of the above named Association, hereby appoint _____ of _____ or failing him, _____ of _____, as my proxy to vote for me on my</p>	Updated to materially comply with the model rules: Rules 37, and 38.

Rule	Change	Description	Notes
		<p><u>behalf at the (annual) general meeting of the Association, to be held on the _____ day of _____, 19_____, and at any adjournment thereof.</u> <u>Signed this _____ day of _____, 19_____. Signature _____</u></p> <p><u>This form is to be used: _____ *in favour of the resolution.</u> <u>_____ *against</u></p> <p><u>* Strike out whichever is not desired. (Unless otherwise instructed, the proxy may vote as he thinks fit.)</u></p> <p>(i) The instrument appointing a proxy shall be deposited with the secretary prior to the commencement of any meeting or adjourned meeting at which the person named in the instrument purposes to vote; and</p> <p>(j) The secretary shall cause full and accurate minutes of all questions, matters, resolutions and other proceedings of every Management Committee meeting and general meeting to be entered in a book to be open for inspection at all reasonable times by any financial member who previously applies to the secretary for that inspection. For the purposes of ensuring the accuracy of the recording of such minutes, the minutes of every Management Committee meeting shall be signed by the Chairman of that meeting or the Chairman of the next succeeding Management Committee meeting verifying their accuracy. Similarly, the minutes of every general meeting shall be signed by the Chairman of that meeting or the Chairman of the next succeeding general meeting: Provided that the minutes of any annual general meeting shall be signed by the Chairman of that meeting or the Chairman of the next succeeding general meeting or annual general meeting.</p> <p>(k) <u>A member who participates in a meeting as mentioned in subrule (f) is taken to be present at the meeting.</u></p> <p>(l) <u>A member is not entitled to vote at a general meeting if the member's annual subscription is in arrears at the date of the meeting.</u></p>	
26.	Updated	<p>26. Alteration of rules</p> <p>(1) Subject to the provisions of the Association's Incorporation Act 1981, these rules may be amended, rescinded<u>repealed</u> or added to from time to time by a special resolution carried at any<u>a</u> general meeting: Provided that no such,</p> <p><u>(2) However an amendment, rescission, repeal or addition shall be valid unless the same shall have been previously submitted to and approved only if it is registered by the Under Secretary, Department of Justice, Brisbane chief executive as defined in the Act.</u></p>	Updated to materially comply with the model rules: Rule 43.
28.	Updated	<p>28. Funds and accounts</p> <p>(1) The funds of the association shall<u>must</u> be banked<u>kept in one or more accounts</u> in the name of the association in such bank and/or building society as a financial institution decided by the management committee may from time to time direct.</p> <p>(2) Proper books and accounts shall be kept and maintained either in written or printed form in the English language showing correctly the financial affairs of the Association and the particulars usually shown in books of a like nature.</p> <p>(3) All moneys shall<u>amounts must</u> be banked<u>deposited in the financial institution account</u> as soon as practicable after receipt thereof.</p> <p>(4) All amounts <u>A payment by the association</u> of \$20 or over shall<u>more must</u> be paid<u>made</u> by cheque or electronic funds transfer.</p> <p><u>(5) If a payment of \$20 or more is made by cheque, the cheque must be signed by any two of the following:</u></p> <p>(a) the president;</p>	Updated to materially comply with the model rules: Rules 45, and 46.

Rule	Change	Description	Notes
		<p>(b) the secretary-;</p> <p>(c) the treasurer-er-;</p> <p>(d) <u>any 1 of 3 other members of the association who have been authorised from time by the management committee to time sign cheques issued by the Management Committee association.</u></p> <p>(5) (5a) However, 1 of the persons who signs the cheque must be the president, the secretary or the treasurer.</p> <p><u>(5b) Cheques shall be crossed "not negotiable" except those in payment of, other than cheques for wages, allowances or petty cash recoupments which may be open recoupment, must be crossed not negotiable.</u></p> <p>(6) The Management Committee shall determine the amount of petty cash which shall be kept on the imprest system.</p> <p>(7) All expenditure shall be approved or ratified at a general meeting-; provided that the assets of the Association shall not be committed to an extent greater than five (5) times the value of the full senior annual subscription, unless authorised by a resolution of a majority of members in attendance at a general meeting convened in accordance with rule 23 of these rules. <u>Amended 14/4/86.</u></p> <p>(8) As soon as practicable after the end of each financial year the treasurer shall cause to be prepared a statement containing particulars of:</p> <p><u>(a)</u> the income and expenditure for the financial year just ended; and</p> <p><u>(b)</u> the assets and liabilities and of all mortgages, charges and securities affecting the property of the Association at the close of that year.</p> <p>(9) All such statements shall be examined by the auditor who shall present his report upon such audit to the secretary prior to the holding of the annual general meeting next following the financial year in respect of which such audit was made.</p> <p>(10) The income and property of the Association whencesoever derived shall be used and applied solely in promotion of its objects and in the exercise of its powers as set out herein and no portion thereof shall be distributed, paid or transferred directly or indirectly by way of dividend, bonus or otherwise by way of profit to or amongst the members of the Association provided that nothing herein contained shall prevent the payment in good faith of interest to any such member in respect of moneys advanced by him to the Association or otherwise owing by the Association to him or of remuneration to any officers or servants of the Association or to any member of the Association or other person in return for any services actually rendered to the Association provided further that nothing herein contained shall be construed so as to prevent the payment or repayment to any member of out of pocket expenses, money lent, reasonable and proper charges for goods hired by the Association or reasonable and proper rent for premises demised or let to the Association.</p>	

Controls

If this special resolution is passed, the change to the Rules must be approved by the Chief Executive and registered with the Office of Fair Trading within three (3) months, as required under the act (Associations Incorporation Act 1981).

Expenses

A fee of \$15 is payable by the club, to register the change with the office of fair trading.

[Resolution Ends]

The special resolution will be put to a vote at the General Meeting to be held on 7th December 2009.

If undeliverable, please return to:

The Secretary,
Tingalpa Model Aero Club Inc
PO Box 2108
Tingalpa QLD 4173

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Upcoming Events at TMAC

Monday 2nd Nov	Meeting	Club General Meeting
Sunday 29th Nov	Event	Biplanes and warbirds day
Monday 7th Dec	Meeting	Club General Meeting

NOTE: For events the field may be closed to general flying.

**Next TMAC event is Biplanes and Warbird day.
The field will be closed to general flying.**