

THE SOUTH AFRICAN MODEL AIRCRAFT ASSOCIATION



Operations Manual

**OPERATING A CLUB OR FLYING SITE WITHIN THE CTR,
UNDER THE TMA OR WITHIN 5 NM OF AN AERODROME**

Issue 1 – May 2011

PR 19

To RAASA and the Aero Club for Approval.

Date: 24/05/2011

PR 19

**OPERATING A CLUB OR FLYING FIELD WITHIN THE
CTR, UNDER THE TMA OR WITHIN 5 NM OF AN
AERODROME**

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This document forms part of the SAMAA Manual of Procedures. It is to be used by SAMAA Members and Registered Clubs in all activities associated with the flying of model aircraft in the RSA.

SAMAA

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**Operating a Club or
Flying field within 5 NM
of an Aerodrome**

1.Purpose

This is a new procedure which has been formulated in conjunction with the RAASA, ATNS and the Aero Club, following a Ruling which was made on the 10 February 2011 at a NASCOM Meeting, this ruling will allow Model Aircraft flying to take place, at all SAMAA Registered Clubs/fields at up to 400 feet agl. **But it must be noted that special regulations are applicable at any model flying field which falls within the CTR under the TMA or within 5 NM of an existing Aerodrome.**

This SAMAA Procedure, with immediate effect, sets down the conditions under which all SAMAA Registered Clubs located in close proximity to full size aircraft airfield will now comply and operate, to ensure the safety of full sized, or manned aircraft.

This Procedure applies to all Model Flying Fields/Clubs situated within 5 NM , within the CTR or under the TMA of a operational full size Aerodrome or Airfield, whether these Airfields fall under the control of the CAA, ATNS, Defence Force or are privately or Municipality owned, whenever Model flying is taking place.

SAMAA, has submitted this Procedure, together with the list of clubs affected, to RAASA for approval and action.

SAMAA requires that all clubs affected by this procedure, must ensure that their Club names are included on the list, and take the required action to comply.

The conditions which will be imposed by this Procedure, will be those which will help to ensure the Safety of full sized aircraft and helicopters over flying the Model flying field, and reduce the risk of a accident. The main threat to Full Size Aircraft operating near a model flying field, is the height at which the Models are flown above ground level.

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2.) Applicable Documents

SAMAA, in the interest of the hobby, has relieved most Clubs, situated within 5 NM of an Airfield, of the onerous duty of reapplying to SAMAA and the CAA for permit to operate their Club, **but Clubs, affected by this CTR or 5 NM rule will need to submit to SAMAA by the end of October 2011, a completed copy of SAMAA form F 18 duly “ Club compliance to 5MN”duly completed, and authorised, so that SAMAA can confirm to RAASA that their conditions as specified in this Procedure have been followed and are in operation.**

Attached to this procedure is a list of all SAMAA Registered Clubs affected by this changed ruling as at the end of April 2011.

3. Procedure

As there are a number of categories of Aerodromes, The club will need to comply with the procedure applicable to the location of their club;

Categories of full size aerodromes.

a.) Major Aerodromes.

Aerodromes, such as Johannesburg International, Waterkloof, Wonderboom, Lanseria, Durban International, Bloemfontein, Capetown International, Port Elizabeth and East London, are classified as major aerodromes, as are all other Aerodromes which have Manned Control Towers and Air Traffic Control Services in operation, all of these, in terms of this procedure, are classified as major.

b.) Minor Aerodromes

The definition of a minor aerodrome would be that that aerodrome does not have the powers or authority to control or direct air traffic from that facility, but does have an airport manager and staff at the field during daylight hours.

In this case the actions taken and the discussions and agreements are to be handled as in a manner similar to those for a Major aerodrome as set out in (1.) below.

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c.) Municipal Aerodromes

A municipal aerodrome is the one most commonly associated with small towns in the RSA, and is either a grassed or tarred landing strip, maintained and operated by the municipality or some other delegated party. But the airspace belongs to the CAA.

The Controls which the Club will be required to observe are set out below;

If your club is ;

1.) Near or at Major Aerodromes (controlled airspace)

The conditions which will be implemented and followed by all affected Clubs are;

- In controlled airspace, before any flying commences the Club will be required to contact the Air Traffic Control tower, by phone and informed them of the intended period of use of the field.
(a relaxed condition may be applied to Clubs under the TMA only)
- The ATNS (Air Traffic Control at major Aerodromes) will request the contact number of the Safety officer or responsible person at the field during that period, in case of a full size Aircraft emergency.
- That there will always **be a spotter or observer** with any pilot or group of pilots flying, to give early warning of a low flying full sized aircraft in the area, and to ensure that all Models flying, at the time, drop below 150 feet, **and take the necessary actions to avoid the full size aircraft at any cost.**
- If there is a Special Event, Airshow or Competition to be held at the field, the Chairman of the Club will contact the ATC or ATNS, discuss the problem, and agree, and have **confirmed in writing, the required exemptions and clearances, for that day.**
- By the same agreement, if a full size aircraft is flying at a low altitude in the immediate vicinity of the model field, the club has an obligation, and a right to phone the ATNS and report the problem.

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2.) Near or at Minor or Unmanned Aerodromes

The conditions which will be implemented and followed by all affected Clubs are;

- Discussions to be held with, and permission of the local Municipality, to be obtained.
- Permission of the CAA, to be obtained, to use the airspace.(SAMAA have already submitted all relevant permission requests to the CAA)
- A set of Operating procedures, agreed with both the Municipality and the CAA(see above CAA agreement) that **will not be compromised by the Club in any way, this Agreement is to ensure that** the Safety of any full size aircraft is not jeopardised when operating from or at the facility.
- Will have ensured compliance with all SAMAA registration, safety and operational conditions as set out in the Mop`s.
- That there will be a spotter standing with the Pilot or pilots at all times to ensure that model aircraft avoid full size aircraft, under all circumstances.
- That the club will have a two way, hand held radio, present to warn, but not to instruct any pilot flying a full size aircraft , or any of the other users on the field, of the present of model aircraft flying, and will ensure that all model air craft are out of the sky and pass this information onto the full size aircraft.
- **Be fully aware that at all times the manned or full size aircraft has the right of way in the use of the airspace.**

4. Responsibilities Of Parties.

The responsibilities of the respective parties are set out below;

Club (General)

- If not already done, obtain the form F14 from SAMAA and have this form duly completed and returned.

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- **Complete SAMAA Form 18, and return this to SAMAA duly completed by not later than the end of October 2011, or if a new field/club together with the above F14 form.**
- Contact the Air Traffic Control Service (ATNS) under which your club falls, and make the necessary agreements, with them on the conditions under which your Club may fly its models
- If not already done, obtain the required letters of authority from the Municipality and/or the landowner.
- Obtain letters of consent, and if applicable, an operating agreement from other users of the Aerodrome airspace.
- Sent the completed form together with the letters of consent to SAMAA for recommendation and transmission to the CAA.
- Agree a field layout ,ensuring that the parking and spectator areas are well clear of the full size aircraft landing strip.
- Ensure that all members flying at the venue are aware of the Clubs responsibilities, and of the SAMAA Safety rules and regulations, and the CAA conditions of approval for model aircraft to be flown.
- Have a spotter on the field with the pilots at all times.
- Have a 2 way radio and competent operator.
- **Keep clear of all manned or full size aircraft using the field, at all times.**
- Ensure that all information for the registration of the Club is complete, and sent to SAMAA for Approval, or record.
- Ensure that all Members of the Club or group are SAMAA Members, and that they understand their responsibilities.

SAMAA

SAMAA will insure that this Procedure is Posted on the SAMAA website and that all Clubs are aware of the Procedure and Operate in accordance with the conditions applicable.

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SAMAA will keep the List of Clubs updated, and will process all and any new Application for Registration for Clubs through RAASA , and on receipt of Approval will inform the Club concerned, and ensure that they know their responsibilities.

RAASA

RAASA,(the primary Authority), is responsible for the safe use of airspace, will circulate this information through the relevant bodies (ie ATNS) and further ensure;

- That the Model fields location is known to the Aerodrome Traffic Control Services and through them, to all pilots who are flying low in the area of the model flying field, and to general traffic overflying the area.
- Make known to full size aircraft operating in the area the maximum height, that a Model aircraft will be flying at a Model flying field.

Will confirm agreement on the conditions under which the Model Flying Club may operate and fly its Model aircraft at their flying field by;

- Having the Application circulated, and obtain the necessary approvals, from relevant parties, and then return these to SAMAA..
- Have the relevant Notams and AIP's issued to all full size pilots
- Have the later issues of the Aviation Maps updated.

5. Registered Model Flying Clubs within the CTR, TMA or within 5 NM of a Full size Airfield. as at the 15 October 2010.

ATTACHED LIST OF CLUBS AFFECTED

KFN.

SAMAA REGISTERED FLYING FIELDS WITHIN 5 NM OF AN AERODROME OR AIRFIELD

All these Flying Fields may only Operate if they Comply with the Conditions set out in the SAMAA MOP PR 19

(Derived from Flying Field Information submitted to RAASA with ARO Renewal Application on 15th October 2010)

Club No.	Club Name	Province	Coord S	Coord E	Comments	Closest full-size aerodromes	Distance(NM)	
Under Lanseria CTR								
1	Durban Deep Radio Flyers	GAUTE NG	26 04 15	27 52 12		Krugersdorp	7.80	
7	Johannesburg Model Airplane Club	GAUTE NG	25 57 46	28 00 07		Lanseria	4.35	
80	West Rand Aeromodelling Club	GAUTE NG	26 02 48	27 50 10		Lanseria	8.23	
177	Bartlett Egg Radio Gliders	GAUTE NG	26 02 21	27 47 44	Thermal soaring, occ.overflying by aircraft to/from Lanseria	Lanseria Krugersdorp	9.00 4.54	
Under LanseriaTM Lanse A								
17	Snoopy`s Squadron	GAUTE NG	26 07 47	27 44 29		Krugersdorp		
229	Roodepoort Radio Control Club	GAUTE NG	26 09 36	27 50 36		Krugersdorp		
Under Waterkloof CTR								
Defence	13	Pretoria Radio Flyers	GAUTE NG	25 52 59	28 19 25		Waterkloof	6.28
Defence	36	Irene Radio Vlieëniërs	GAUTE NG	25 54 34	28 13 13		Waterkloof	4.92
Defence	211	Pretoria Military RC Flying Club	GAUTE NG	25 49 35	28 13 44	Operating ex Waterkloof AFB on Wednesday PM	Waterkloof	0.00
Defence	215	Defence Force Flying Club	GAUTE NG	25 48 18	28 09 46	At Zwartkop AFB	Zwartkop AFB	0.00

Under Water	kloof TMA								
	16	Silverton Modelvliegklub	GAUTE NG	25 49 50	28 32 02	Adjacent to Rhino Park	Rhino Park		
	273	Bronkhorstspruit Model Aircraft Club	GAUTE NG	25 47 02	28 41 31		Bronkhorstspruit		
	241	Highveld Scale Flyers	GAUTE NG	25 56 03	28 29 29				
Under JS CTR									
	267	Greenfields Eastern Model Soarers	GAUTE NG	25 59 43	28 22 01	Thermal soaring	Fly-In Estate Microland	1.70 1.64	
	2	Barnstormers Kemptonpark	GAUTE NG	26 00 44	28 17 43		Johannesburg International Microland Flight Park Fly Inn Estate	6.4 5.45 3.80	
	83	Chloorkop R/C Fliers	GAUTE NG	26 03 10	28 10 26	Seldom used. Privately owned.	Grand Central	4.20	
	11	Modderfontein Model Aero Club	GAUTE NG	26 06 32	28 10 31		Johannesburg International	3.65	
	56	Aquatic Model Aircraft Group	GAUTE NG	26 14 31	28 14 23	Float flying	Johannesburg International	4.69	
	34	Eastern Thermal Busters	GAUTE NG	26 03 30	28 20 12		Johannesburg International	4.54	
	157	SA Modelsport Flying Academy	GAUTE NG	26 10 26	28 20 55	Helicopters only	Sharing Benoni Heliport	0.00	
	3	Benoni Radio Flyers	GAUTE NG	26 10 05	28 24 12		Benoni/Brakpan Springs OR Tambo	6.91 4.82 8.42	
Under JS TMA									
	15	Rand Model Aeronautic Club	GAUTE NG	26 19 15	28 03 25	Regular incursions by aircraft from Panorama	Panorama Flight Park	0.8	
	51	Roslyn Aero Modellers	GAUTE NG	25 38 51	28 00 50		Wonderboom		
	55	Randfontein Radio Flyers	GAUTE NG	26 07 53	27 38 21				
	67	White Hills Radio Flyers	GAUTE NG	25 52 02	28 05 12		Waterkloof		
	95	Silverton Gliding Club	GAUTE	25 45	28 23	Thermal soaring activity	Wonderboom		

			NG	43	37			
110	Aero Aces Nigel	GAUTE NG	26 22 27	28 27 38		Dunnottar		
113	Chicken Hawk Flyers Walkerville	GAUTE NG	26 22 50	27 57 26	Helicopters only			
126	Westonaria Model Aircraft Club	GAUTE NG	26 19 41	27 38 16		Baragwanath/Syferfontein		
142	Umbila Radio Flyers	GAUTE NG	26 15 53	28 32 20				
158	Henley Aero Modellers	GAUTE NG	26 34 42	28 04 23		Vereeniging		
193	Sweet Landings 1	GAUTE NG	26 26 22.68	27 54 09				
195	Groengoud	GAUTE NG	25 49 52	28 05 32	Facility shared with powered paragliders	Waterkloof		
205	Western Radio Flyers	GAUTE NG	26 10 42.32	27 43 29.73				
212	ATE Paardefontein	GAUTE NG	25 28 15	28 22 34	Training of pilots for UAV Flight Testing (ATE)			
222	Ditholo Radio Flyers	GAUTE NG	25 19 15	28 18 43	Training of pilots for UAV Flight Testing			
237	Sweet Landings 2 (Float Flying)	GAUTE NG	26 26 41.09	27 54 4.15	Float flying			
238	Moot radio flyers	GAUTE NG	25 42 36	28 04 01				
239	Mount Ridge RC Flying Club	GAUTE NG	26 35 30	27 53 30				
254	Brakfontein Modelvliegklub	GAUTE NG	25 58 39.80	28 47 13.35		Bronkhorstspuit		
256	2.4@The Rock	GAUTE NG	26 12 21	28 21 09		Brakpan/Benoni and Springs		
259	Wimpies Float Dam (Umbila RF)	GAUTE NG	26 19 48	28 39 02	Float flying			
Under CTA CTR								
6	Helderberg Radio Flyers	WESTE RN CAPE	34 02 48	18 44 25		Stellenbosch	5.72	
23	Cape Radio Flyers	WESTE RN CAPE	33 51 08	18 29 52		Ysterplaat AFB CTR	2.98	
252	Cape Town Radio Heli	WESTE	33 48	18 34	Helicopters only. Sharing facilities with	Contermans Kloof	0.00	

		Flyers	RN CAPE	04	44	microlights		
	255	ArcelorMittal Saldanha Radio Control Club	WESTE RN CAPE	33 01 30	18 03 20		Langebaanweg CTR	6.47
Under CTA TMA								
	4	Cango Flying Club	WESTE RN CAPE	33 33 58	22 11 53		Oudtshoorn	3.84
	18	Tygerberg Model Flying Club	WESTE RN CAPE	33 42 18	18 43 57		Fisantekraal	4.00
	35	George Radio Flyers	WESTE RN CAPE	33 59 30	22 25 54			
	76a	Southern Soaring Club	WESTE RN CAPE	33 57 22	18 28 56	Thermal soaring activity	Cape Town International	6.11
	76b	Southern Soaring Club - Youngsfield	WESTE RN CAPE	34 03 01	18 29 16	Thermal soaring activity	Cape Town International	6.20
	77	Peninsula Radio Flyers	WESTE RN CAPE	34 04 23	18 30 36		Cape Town International	7.69
	100	St Blaize Modelvlieërs	WESTE RN CAPE	34 09 08'	22 03 43			
	117	Wynland Modelvliegklub	WESTE RN CAPE	33 39 21	19 25 01	At aerodrome. Good comms with aerodrome operator	Worcester	0.44
	124	Swiss Flying Club	WESTE RN CAPE	33 47 26	18 46 11		Fisantekraal	1.86
	130	Swellendam Radio Flyers	WESTE RN CAPE	34 02 36.11	20 33 39			
	132	Knysna Radio Flyers	WESTE RN CAPE	34 02 49	23 04 05			
	141	Hessequa Modelvlieërs Riversdal	WESTE RN	34 06 38	21 15 34	Facility on aerodrome	Riversdale Municipal	

	12	Port Elizabeth Radio Flyers	EASTER N CAPE	33 52 33	25 21 03'		Port Elizabeth Airport	5,69
	88	Uitenhage Radio Flyers	EASTER N CAPE	33 46 02	25 22 15.81	ex Military field	Uitenhage Municipal	1,25
	210	Pirates Of The Sky	EASTER N CAPE	33 31 09.22	26 55 00.38		43 flight Training school	2,55
	262	Pirates of the Sky Batumzinga Farm	EASTER N CAPE	33 33 17	26 55 24		43 Flight training school	1,84
Under BLOEM TMA								
	24	Central Radio Flyers	FREE STATE	29 11 25	26 11 47		Under Bloem TMA New Tempe Bloemfontein	9,29 8.00
	138	Bloemfontein Model Aircraft Club	FREE STATE	29 13 52	26 05 07		New Tempe	12.55
	173	Radio Control Model Field - Kelly's View	FREE STATE	29 09 46	26 06 55		Under Bloem TMA	
	269	Flyzone Central	FREE STATE	29 21 18	26 12 09			16,5
	20	Welkom Model Aircraft Club	FREE STATE	27 58 19.40	26 41 28.32	on deregistered strip	Welcom Municipality	1,88
	204	Frankfort Fun Flyers	FREE STATE	27 17 21	28 30 49		on Frankfort Municipal Airfield	
	223	Kroon Radio Flyers	FREE STATE	27 43 31	27 15 29		Kroonstad Municipal	4,8
	243	Gariiep Aviation (Annual Fly-in)	FREE STATE	30 33 52	25 31 47	May-June fly-in. Usually jets and large model aircraft	Gariiep Aviation	
Under DBN CTR								
	101	Umhlanga Model Flyers	KWAZU LU NATAL	29 36 16	31 03 00		King Shaka International CTR	3.45
Under DBN TMA								
	8	Kingsburg Model Flying Club	KWAZU LU NATAL	30 11 51	30 47 57		CF Landers airfield	7.22
	30	Durban Model Aircraft Club	KWAZU LU NATAL	29 44 10	30 37 45		Cato Ridge Microlight	2.23

47	Newcastle Model Aircraft Club	KWAZU LU NATAL	27 46 13	29 58 35	Facility on aerodrome. Good coop with aerodrome operator	Newcastle Municipal	
123	Shongweni Model Flying Club	KWAZU LU NATAL	29 47 48	30 44 26			
163	Cato Manor Model Flying Club	KWAZU LU NATAL	29 52 05	30 57 44	Sports field. Occasional near-overflights by red cross helicopters	Durban International	6.22
184	Valley Radio Control Model Club	KWAZU LU NATAL	29 54 25	30 57 20		Durban International	3.53
187	Isithebe Prop Benders Flying Club	KWAZU LU NATAL	29 06 27	31 24 37		Shared use on iSithebe	0.00
207	Cato Manor MFC - Emoyeni	KWAZU LU NATAL	29 44 56	30 33 04		Sharing Emoyeni Microlight Field	0.00
216	Dukuza Model Flying Club	KWAZU LU NATAL	29 24 23	31 17 15		King Shaka International	17.50
225	Scottburg Model Aircraft Club	KWAZU LU NATAL	30 18 55	30 43 40		CF Landers airfield	0.68
233	Summerveld Estate - Durban MAC	KWAZU LU NATAL	29 49 43	30 42 23	Thermal soaring activity	Alverstone Airfield	3.20
248	Noodsberg Gliding Site	KWAZU LU NATAL	29 21 11	30 41 23		Wartburg	6.74
265	Cane Rat Flyers	KWAZU LU NATAL	30 06 58.87	30 49 01.15		Durban International	10.94
58a	South Coast Association of Radio Flyers - DG	KWAZU LU NATAL	30 46 14	30 25 30	Training only.	Des Gutzeit strip (Delta Golf)	0.00
58b	South Coast Association of Radio Flyers - Oribi (Primary Site)	KWAZU LU NATAL	30 40 25	30 14 37		Fredenheim	0.00
Under PMB CTR							
42	Maritzburg Model Aircraft	KWAZU	29 40	30 29		Pietermaritzburg	5.41

38	Klerksdorp Radio Flyers	NORTH WEST	26 52 17	26 41 34		PC Pelser	1,32
72	Midwest model club	NORTH WEST	26 46 07.63	27 04 27.44		Potchestroom Municipal	
108	Brits Radio Vlieërs	NORTH WEST	25 41 02	27 40 19		Aviator's Paradise	2.43
131	Zeerust Model Fliers	NORTH WEST	25 36 04.26	26 02 31.53	ex Militart now commercial	Zeerust Municipal	
234	Waagfontein radio flyers	NORTH WEST	25 44 53.27	27 24 08.11		Rustenburg Flying Club	
242	Jets-R-Us Flying Field	NORTH WEST	25 32 57	27 56 40	Abandoned ODI. Regular overflying for training	Wonderboom	16.23
64	Upington radio vlieëniers	NORTH ERN CAPE	28 23 54	21 09 42		Pierre Van Ryneveld	5,22
78	Kimberley model aircraft club	NORTH ERN CAPE	28 44 33	24 39 55	At John Weston glider Club, good liasion with microlight club		
164	Namakwaland Aero Sport Association	NORTH ERN CAPE	29 41 21.18	17 56 13.05	Facility on aerodrome	Springbok	
203	Kalahari Radio Flyers	NORTH ERN CAPE	27 27 36	23 24 43		Kuruman Municipal	
	In CTR of an Airport						
	Under TMA of an Airport						
	Defence Force Air field						
	At or near minor Aerodrome						
	Glider field						