

SAMPE GENERAL RULES AND METHOD OF OPERATION

Document Version 1.4

28 February 2018

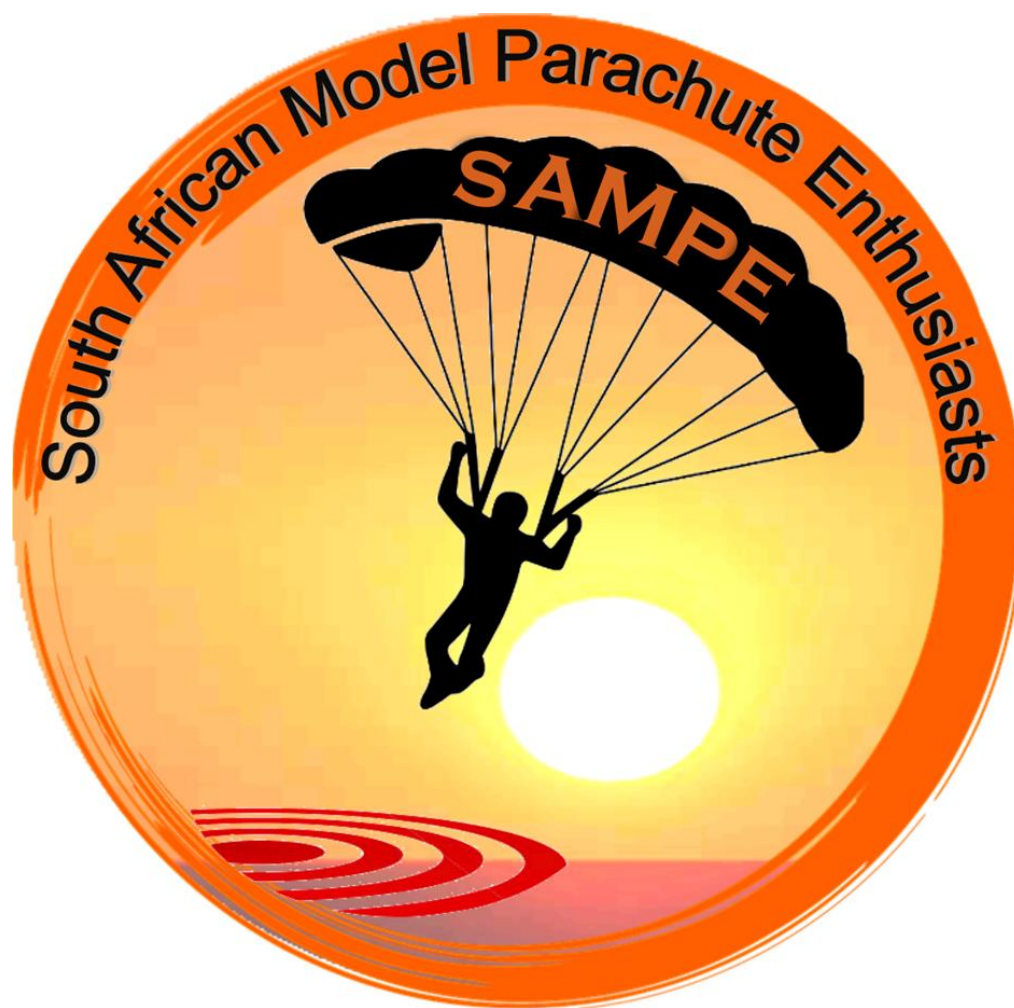




Table of Contents

1	GENERAL	3
1.1	NAME	3
1.2	PURPOSE	3
2	RULES AND GUIDELINES	3
3	SAFETY	3
4	PROFICIENCIES	4
4.1	SAMPE Free Fall Badge (Solo)	4
4.2	SAMPE Free Fall Instructor	5
5	PROFICIENCY TEST SCORE SHEETS	7



1 GENERAL

1.1 NAME

South African Model Parachute Enthusiasts - SAMPE

1.2 PURPOSE

SAMPE main purpose is to grow and promote the sport of “RC Model Parachuting / Skydiving” in South Africa under the Auspices of SAMAA operating as a SAMAA group. To establish a safe and organised vessel for its members to get together and compete within defined guidelines. To promote family participation and thereby expanding visibility of RC in South Africa. To assist SAMAA by growing and promoting this special interest group by managing and controlling operations ensuring continued safety under general and competition events.

SAMPE endeavours to promote participation in all areas of South Africa and enable local enthusiasts in all areas to manage regular regional events and participation. A national event will be held at least one a year.

2 RULES AND GUIDELINES

SAMPE will operate under all rules and regulations set out by SAMAA with addition to the following:

- 2.1 Events / Competitions will be managed under document: “SAMPE Competition Rules for RC Skydivers”
- 2.2 Events will be internally organized at local Clubs and will operate within their specific rules.
- 2.3 Special spectator or fly in events will be registered under SAMAA standard approvals.
- 2.4 All activities that falls under SAMPE will take place at registered SAMAA fields.
- 2.5 All safety SAMAA safety regulations and procedures will be adhered to with addition to points mentioned in section 3.
- 2.6 Before applying or receiving membership from SAMPE, the person must first be a current registered and paid up member of SAMAA.
- 2.7 A Free fall Badge (Solo) is a must for operating a RC Skydiver without assistance.
- 2.8 A member can operate a RC Skydiver as long as he has a SAMPE Free Fall Badge (Solo). SAMAA fixed wing Solo is not required but the pilot is not allowed to operate any other craft other than a RC skydiver.

3 SAFETY

SAMPE will operate under all rules and regulations set out by SAMAA with addition to the following:

- 3.1 RC Skydiver will always be fitted with working safety device / pin. RC skydivers will adhere to technical specifications. (Refer to: SAMPE Competition Rules for RC Skydivers)
- 3.2 A RC Skydiver will never be dropped out of the designated flying zone of specific venue or club.
- 3.3 A RC Skydiver will never be dropped overhead any people or property.
- 3.4 For an event, The “Drop Zone” or “Drop-Circle” might be set up outside out of the designated flying zone of specific venue or club to facilitate proper landing approach. (Refer to: SAMPE Competition Rules for RC Skydivers)



4 PROFICIENCIES

- There are only two SAME Proficiencies defined:
 - Free Fall Badge – To Pilot RC Skydiver independently at leisure, fly-ins, competitions and SAMPE events.
 - Free Fall Instructor – To test pilots for “Free Fall Badge” proficiency. Able to participate in SAMAA registered air shows.
- Two SAMAA “Fixed Wing instructors” can conduct “Free Fall Instructor” proficiency test but needs to be approved by SAMPE committee prior to proficiency test. These Fixed Wing Instructors must also have knowledge of RC Skydiving in general. This is to aid the startup proficiency progress and process.
- Two “Free Fall Instructors” can conduct “Free Fall Instructor” proficiency but needs to be approved by SAMPE committee prior to proficiency test.
- A single “Free Fall Instructor” can perform proficiency testing for “Free Fall Badge”
- SAMAA membership of pilot and Instructors must be verified to be current.
- All proficiencies must be signed off by SAMPE chairman or Secretary and submitted to SAMAA by SAMPE committee.
- The “Drop Plane Pilot” must at least have SAMAA solo, or appropriate proficiency depending on even defined by SAMAA guidelines.
- SAMPE Free Fall Instructors have the right override “Land in designated Drop-Zone “Radius” if it is thought that adverse weather conditions or height limitations on the day makes this impossible but it is felt that the pilot being tested is consistent in his efforts. SAMAA Fixed Wing Instructors do not have this privilege only because it is assumed that they do not have the RC Skydiving experience to make this call.

4.1 SAMPE Free Fall Badge (Solo)

- Each individual section will be judged and marked as follow:
 - C – Competent to perform maneuver satisfactory and safely.
 - N – Not Competent to perform maneuver satisfactory and safely.
- Any single section marked as N, the pilot will not be successful and the proficiency test needs to be redone.
- The test must be completed successfully twice in one day allowing total of four attempts.
- The drop sequence starts with release of the RC Skydiver from Plane and safe 3 second free fall. A “no-open,” uncontrollable RC Diver or any unsafe maneuver or flying over people will result “non-event”.

Pre Flight and Verbal Test:

- 4.1.1 Be familiar with all the components and working of a RC skydiver. (Explain this to Instructor)
- 4.1.2 Be able to pack the parachute correctly with no assistance. Special attention to attachment and describe to Instructor working of Safety pin and safety equipment.
- 4.1.3 Be able to attach RC skydiver to plane with no assistance. Explain to instructor the working of safety pin attachment to Drop Plane. Additionally explain all other safety requirements (Drop Plane not running at time of attachment / if electric use of throttle cut.)



- 4.1.4 Do control checks after attaching to plane and confirm removal of packing rope from RC skydiver. (Explain to Instructor)
- 4.1.5 Be familiar with commands between diver pilot and RC plane pilot and explain this to instructor. (Refer to SAMPE Competition Rules for RC Skydivers)
- 4.1.6 Explain to instructor how wind conditions are read and direct pilot for correct drop location and height in relation to wind direction and give drop command (Release Now) at correct time. (Refer to SAMPE Competition Rules for RC Skydivers), after explanation test starts and Drop Plane Pilot takes off as directed.

Free Fall Practical

- 4.1.7 Do a stable 3 second delay freefall and successful opening.
- 4.1.8 Controlled turn to position RC Skydiver Into the wind (upwind).
- 4.1.9 Controlled turn to position RC skydiver downwind. (Approach direction)
- 4.1.10 Do a controlled 90 degree right turn.
- 4.1.11 Do a controlled "up-wind" 180 degree turn. (Tack)
- 4.1.12 Do a controlled 360 degree left or right turn. (Not spiral)
- 4.1.13 Controlled turn to position RC skydiver downwind. (Approach direction, approach turn maneuvers allowed)
- 4.1.14 Line up for landing.
- 4.1.15 Turn to land into wind in designated landing area "drop -zone"
- 4.1.16 Flare and land feet first within (Marked 25m Drop-Zone Radius).

4.2 SAMPE Free Fall Instructor

- Each individual section will be judged and marked as follow:
 - C – Competent to perform maneuver satisfactory and safely.
 - N – Not Competent to perform maneuver satisfactory and safely.
- Any single section marked as N, the pilot will not be successful and the proficiency test needs to be redone.
- The test must be completed successfully twice in one day allowing total of four attempts.
- The drop sequence starts with release of the RC Skydiver from Plane and safe 3 second free fall. A "no-open," uncontrollable RC Diver or any unsafe maneuver or flying over people will result "non-event".

Pre Flight and Verbal Test:

- 4.2.1 Be familiar with all the components and working of a RC skydiver. (Explain this to Instructor)
- 4.2.2 Be able to pack the parachute correctly with no assistance. Special attention to attachment and describe to Instructor working of Safety pin and safety equipment.
- 4.2.3 Be able to attach RC skydiver to plane with no assistance. Explain to instructor the working of safety pin attachment to Drop Plane. Additionally explain all other safety requirements (Drop Plane not running at time of attachment / if electric use of throttle cut.)
- 4.2.4 Do control checks after attaching to plane and confirm removal of packing rope from RC skydiver. (Explain to Instructor)



- 4.2.5 Be familiar with commands between diver pilot and RC plane pilot and explain this to instructor. (Refer to SAMPE Competition Rules for RC Skydivers)
- 4.2.6 Explain to instructor how wind conditions are read and direct pilot for correct drop location and height in relation to wind direction and give drop command (Release Now) at correct time. (Refer to SAMPE Competition Rules for RC Skydivers), after explanation test starts and Drop Plane Pilot takes off as directed.

Free Fall Practical:

- 4.2.7 Do a stable 3 second delay freefall and successful opening.
- 4.2.8 Controlled turn to position RC Skydiver upwind.
- 4.2.9 Controlled turn to position RC skydiver downwind. (Approach direction)
- 4.2.10 Do a controlled 90 degree right turn.
- 4.2.11 Do a controlled "upwind" 180 degree turn. (Tack)
- 4.2.12 Do a controlled 360 degree right circle. (Not spiral)
- 4.2.13 Do a controlled 360 degree left circle. (Not spiral)
- 4.2.14 Fly basic figure 8 pattern.
- 4.2.15 Do a spiral in any direction and recover.
- 4.2.16 Controlled turn to position RC skydiver downwind. (Approach direction, approach turn maneuvers allowed)
- 4.2.17 Line up for landing.
- 4.2.18 Turn to land into wind in designated area target-zone
- 4.2.19 Flare and land feet first (Marked 5m Target Zone Radius).



5 PROFICIENCY TEST SCORE SHEETS



**PROFICIENCY
SAMPE FREE FALL BADGE**



- > Each individual section will be judged and marked as follow:
 - C – Competent to perform maneuver satisfactory and safely.
 - N – Not Competent to perform maneuver satisfactory and safely.
- > Any single section marked as N, the pilot will not be successful and the proficiency test needs to be redone.
- > The test must be completed successfully twice in one day allowing total of four attempts.
- > The drop sequence starts with release of the RC Skydiver from Plane and safe 3 second free fall. A “no-open,” uncontrollable RC Diver or any unsafe maneuver or flying over people will result “non-event”.

	TEST ATTEMPT # (Circle): 1 2 3 4	C/N
Pre Flight and Verbal Test:		
1	Be familiar with all the components and working of a RC skydiver. (Explain this to Instructor)	
2	Be able to pack the parachute correctly with no assistance. Special attention to attachment and describe to Instructor working of Safety pin and safety equipment.	
3	Be able to attach RC skydiver to plane with no assistance. Explain to instructor the working of safety pin attachment to Drop Plane. Additionally explain all other safety requirements (Drop Plane not running at time of attachment / if electric use of throttle cut.)	
4	Do control checks after attaching to plane and confirm removal of packing rope from RC skydiver. (Explain to Instructor)	
5	Be familiar with commands between diver pilot and RC plane pilot and explain this to instructor. (Refer to SAMPE Competition Rules for RC Skydivers)	
6	Explain to instructor how wind conditions are read and direct pilot for correct drop location and height in relation to wind direction and give drop command (Release Now) at correct time. (Refer to SAMPE Competition Rules for RC Skydivers), after explanation test starts and Drop Plane Pilot takes off as directed.	
Free Fall Practical:		
7	Do a stable 3 second delay freefall and successful opening.	
8	Controlled turn to position RC Skydiver Into the wind (upwind).	
9	Controlled turn to position RC skydiver downwind. (Approach direction)	
10	Do a controlled 90 degree right turn.	
11	Do a controlled “up-wind” 180 degree turn. (Tack)	
12	Do a controlled 360 degree left or right turn. (Not spiral)	
13	Controlled turn to position RC skydiver downwind. (Approach direction, approach turn maneuvers allowed)	
14	Line up for landing.	
15	Turn to land into wind in designated landing area “drop –zone”	
16	Flare and land feet first within (Marked 25m Drop-Zone Radius).	

COMPETENT / NOT COMPETENT

PILOT NAME: _____ SAMAA #: _____ SAMPE #: _____

PILOT SIGNATURE: _____ DATE: _____

JUDGE NAME: _____ SAMAA #: _____ SAMPE #: _____

JUDGE SIGNATURE: _____ DATE: _____



**PROFICIENCY
SAMPE FREE FALL INSTRUCTOR**



- > Each individual section will be judged and marked as follow:
 - C – Competent to perform maneuver satisfactory and safely.
 - N – Not Competent to perform maneuver satisfactory and safely.
- > Any single section marked as N, the pilot will not be successful and the proficiency test needs to be redone.
- > The test must be completed successfully twice in one day allowing total of four attempts.
- > The drop sequence starts with release of the RC Skydiver from Plane and safe 3 second free fall. A “no-open,” uncontrollable RC Diver or any unsafe maneuver or flying over people will result “non-event”.

	TEST ATTEMPT # (Circle): 1 2 3 4	C/N
Pre Flight and Verbal Test:		
Be familiar with all the components and working of a RC skydiver. (Explain this to Instructor)		
Be able to pack the parachute correctly with no assistance. Special attention to attachment and describe to Instructor working of Safety pin and safety equipment.		
Be able to attach RC skydiver to plane with no assistance. Explain to instructor the working of safety pin attachment to Drop Plane. Additionally explain all other safety requirements (Drop Plane not running at time of attachment / if electric use of throttle cut.)		
Do control checks after attaching to plane and confirm removal of packing rope from RC skydiver. (Explain to Instructor)		
Be familiar with commands between diver pilot and RC plane pilot and explain this to instructor. (Refer to SAMPE Competition Rules for RC Skydivers)		
Explain to instructor how wind conditions are read and direct pilot for correct drop location and height in relation to wind direction and give drop command (Release Now) at correct time. (Refer to SAMPE Competition Rules for RC Skydivers), after explanation test starts and Drop Plane Pilot takes off as directed.		
Free Fall Practical:		
Do a stable 3 second delay freefall and successful opening.		
Controlled turn to position RC Skydiver upwind.		
Controlled turn to position RC skydiver downwind. (Approach direction)		
Do a controlled 90 degree right turn.		
Do a controlled “upwind” 180 degree turn. (Tack)		
Do a controlled 360 degree right circle. (Not spiral)		
Do a controlled 360 degree left circle. (Not spiral)		
Fly basic figure 8 pattern.		
Do a spiral in any direction and recover.		
Controlled turn to position RC skydiver downwind. (Approach direction, approach turn maneuvers allowed)		
Line up for landing.		
Turn to land into wind in designated area target-zone		
Flare and land feet first (Marked 5m Target Zone Radius).		

COMPETENT / NOT COMPETENT

PILOT NAME: _____ SAMAA #: _____ SAMPE #: _____

PILOT SIGNATURE: _____ DATE: _____

JUDGE NAME: _____ SAMAA #: _____ SAMPE #: _____

JUDGE SIGNATURE: _____ DATE: _____