

ACCELERATED METHOD OF FREEFALL (MACL)



# **INDEX**

•		5
•	DOCUMENTATION	6
	FEDERATION LICENCESKYDIVE LOG BOOK	<u>6</u>
	SKYDIVE LICENCE	6
•	EQUIPMENT	7
		7
	YOUR PARAHCUTE	8
•	THE SEQUENCE OF A JUMP	10
	GROUND PREPARATIONOR "BRIEFING"	10
	GEAR ON	10
	BOARD DE AIRCRAFT	<u>10</u>
		11
		11
	PARACHUTE OPENING SEQUENCE	12
		13
		15
	TRAFFIC AND LANDING	16
	DEBRIEF	18
•	EMERGENCIES	19
	IN THE AIRCRAFT	19
	IN FREEFALL	20
	EQUIPMENT FAILURE	20
	TOTAL FAILURE	21
		22
	INCIDENTS	27
	THE CANOPY FLIGHT	30
	LANDING	31
•	COMMUNICATION IN FREEFALL	32
•	LEVELS	35

#### **INTRODUCTION**

This course is known as "accelerated method of freefall" (MACL) "the accelerated free fall course" (AFF).

As the name indicates this course accelerates the learning process and is in fact three to five times shorter than learning by the traditional "static line" method (RAPS in the UK)

The AFF course uses a method of individual and personal teaching designed to give students all the necessary instruction and information while maintaining high standards of safety within our sport.

The course is carefully designed to allow you to learn to control your body in free fall as well as learning to fly your parachute and land in the desired area and all this at your own pace and with the emphasis on safety.

The course consists of seven levels. For the first three levels you will be accompanied by two instructors one on your right (principal) and one on your left (secondary). For the remaining four levels you will jump with a single instructor.

Remember that your instructors are there to help you gain all the knowledge you need to skydive effectively and safely so don't hesitate to ask them to clarify anything you are unsure about.

All your jumps will be recorded on video in order to assist you in your learning and to allow you to see your progression.

Finally, in this introduction, there are four skills that you need to acquire and apply on every jump you make as a skydiver. They are:

#### • OPEN YOUR PARACHUTE

- OPEN AT THE CORRECT ALTITUDE
- OPEN WITH YOUR BODY IN A STABLE POSITION
- LAND SAFELY

These four basic skills must be allied in this order on every jump.

#### **DOCUMENTATION**

#### FEDERATION LICENCE

This is a sports license issued by the Air Federation covering your area.

You can extend this license to a national sports license which allows you to participate in events organized by the Spanish Air Federation (FAE) or to an international license allowing you to enter events organized by the International Air Federation (FAI).

In any case a Federation License is required if you wish to skydive in Spain and these licenses can be valid for three months or for one year.

#### SKYDIVE LOG BOOK

This is a personal record of each jump you make during your skydiving career

In order to be valid each entry must have the stamp of the club or parachute

center where the jump was made.

#### SKYDIVE LICENCES

The Spanish Air Federation separates skydive licenses into four categories A, B, C, and D.

After you finish your AFF course you become a student skydiver. To qualify for your A license, you need to demonstrate certain skills that you will acquire over the first few solo jumps you make. Achieving B, C, and D licenses requires minimum jump numbers in each case and also requires you to demonstrate that you have completed various courses and acquired various skills. After the D license there are several instructor grades.

## **EQUIPMENT**

#### GOGGLES

Skydive goggles are of a very simple design. Their purpose is to prevent the air causing us to close our eyes during free fall.

Goggles are put on three or four minutes before jump and it is important that they are fitted tightly enough to prevent them from moving during the skydive.

#### HELMET

A helmet is worn to protect the head and the ears. It must be put on before boarding the aircraft and must be worn until the plane reaches 1000 feet when it may be removed. The helmet and goggles should be put on again three or four minutes before exit.

#### GLOVES

Gloves should only be used to prevent you from losing sensitivity in your hands due to the cold.

This is likely to happen if the temperature at exit height (12,500 feet) is below -5 degrees centigrade.

#### RADIO

The radio is worn inside the helmet and is used to allow your instructor to assist you during your canopy flight and landing.

The correct functioning of the radio will be checked before boarding the aircraft and it will then be switched off in order to prevent draining the battery. The radio will be switched on again during the final equipment check about three or four minutes prior to exit. Remember to switch the radio off after landing.

The radio is for your assistance only and it should not be relied on.

#### JUMPSUIT

There are several styles and colors of jumpsuit available but to complete the AFF course it is necessary to wear a suit with grips on the arms and legs to allow the instructor(s) to assist you in free fall.

#### ALTIMETER

Basically there are two types of altimeter, one type indicates altitude in feet and the other indicates altitude in meters. Both function in exactly the same way. When equipment is put on the altimeter should be checked to ensure the needle is indicating zero. During the ascent the needle will move in a clockwise direction and during the descent (free fall) it will move anticlockwise.

The altimeter is always worn on the left wrist and it is very important to check that it is reading zero before boarding the aircraft. Failing to do this will mean all information from the altimeter during both the ascent and the free fall will be false and unreliable.

#### THE PARACHUTE RIG

The parachute rig is the collective name for the set of elements we wear on our back. The base of the rig is the harness which attaches to our body using two shoulder straps, two leg straps and a chest strap. Attached to the harness is the parachute container which contains the reserve parachute in the top part of the container and the main canopy, packed into a deployment bag, in the bottom.

The deployment handle for the main parachute is located at the bottom right of the container while the reserve deployment handle is located on the front of the left hand shoulder strap.

On the front of the right hand shoulder strap you will find the cut away pad.

The reserve parachute is attached permanently to the harness. The main canopy is attached using a mechanical advantage arrangement called the three ring system. This system is designed to reduce the force required to release the main canopy in the event of a malfunction and therefore allow the reserve parachute to be deployed without risk of entanglement.

Between the parachute container and the lines attached to the canopy there are four risers, two rear risers (one left and one right) and two front risers (one left and one right). These risers help keep the parachute lines grouped into sets. Attached by Velcro to the rear risers are the steering toggles (usually colored yellow). These toggles are used to steer the parachute, to turn right pull the right hand toggle, to turn left pull the left hand toggle. Pulling both toggles simultaneously and symmetrically acts to brake the parachute.

Between the risers and the fabric of the canopy there is a rectangular piece of parachute cloth called a slider. The slider has four circular grommets (one at each corner) through which the parachute lines are passed.

There are some safety systems which are compulsory on student parachute rigs, one of these is the "Stevens" or "Reserve Static Line" (RSL).

The RSL is a cable which is attached to the main canopy left front riser by means of a carabineer. The other end of the cable is attached to the reserve canopy release. In the event of a main canopy malfunction requiring a cut away the departing canopy operates the reserve parachute release via the RSL.

The final and technically most sophisticated part of the parachute system is the automatic activation device or AAD. This is a barometrically operated emergency system for opening the reserve parachute. There are different models of AAD on the market; Cypress, Vigil, Argus FX1200 etc, all of them operate in the same way. The AAD monitors the rate of descent and if that rate exceeds 35metres per second at a height of 1000 feet it operates and opens the reserve parachute. The automatic activation device is compulsory.

#### NOTE

THE AUTOMATIC ACTIVATION DEVICE DESCRIBED ABOVE IS AN ADDITIONAL SAFETY MEASURE AND SHOULD NEVER BE USED AS A SUBSTITUTE FOR CORRECTLY APPLYING YOUR EMERGENCY PROCEEDURES IN THE EVENT OF A MALFUNCTION.

# **SEQUENCE OF A JUMP**

#### **GROUND PREPARATION OR "BRIEFING":**

The ground learning phase is the most important of this course, do not expect to do in the air what you are not able to do on the ground.

Regardless of the level you are doing the procedure will always be the same, first your instructor will give you a demonstration of the exercise and explain the technique required to carry it out. Then you will begin practicing the exit sequence from the aircraft using a mock up of the airplane door and finally you will practice on the "crawler" to help you get the correct body position for free fall.

#### GEAR ON:

We put our equipment on (jump suit, parachute rig, altimeter, radio, helmet and goggles (in hand). The instructor will carry out a radio check and check your equipment. We will check the direction and strength of the wind and your instructor will explain the direction of "traffic" you are to follow under canopy. Remember that wind direction can change between the time you board the aircraft and open your canopy so listen carefully to any instructions you receive by radio.

#### BOARDING AND IN THE AIRCRAFT:

You must enter the airplane carefully and sit where your instructor tells you. Space is very limited in skydive planes so try to move as little as possible and when you do move take care not to snag your parachute release handles (main and reserve) or your cut away pad.

#### TAKE OFF AND CLIMB:

During take off and up to 1000 feet we will wear our helmets (at 1000 feet we remove helmets for the remainder of the climb)

During the ascent we will carry out a series of exercises that we will carry out later in free fall. First at 3000 feet (and only in the first jump) we will make a reconnaissance of the area in order to familiarize ourselves with landmarks etc. from the air. At 5000 feet (opening height) we will simulate the opening sequence of the main canopy. At 6000 feet we will do the exercise signaling "no more work"

At around 9000 feet we will do a review of the entire jump from exiting the aircraft to opening the canopy and the instructor will carry out a final check of your gear. At 11,000 feet we will put on helmet and goggles.

At 13,000 feet we will exit the aircraft when the pilot tells us to.

#### EXITING THE AIRCRAFT:

About one minute before we jump the instructor will ask you to get on your knees, when the pilot tells us we are clear to jump we will place ourselves in the door. On jumps 1, 2, and 3 there will be two instructors and on jumps 4, 5, 6, and 7 there will be a single instructor. The position of the instructors in the door will change but the student position remains the same throughout the course.

When instructed the student must move without haste (but without pause into the center of the door, if the door is on the right hand side of the aircraft then he will place his right foot and left knee on the floor (with the door on the left hand side it will be the left foot and right knee).

Body position will be facing forward with the trunk slightly bent in the direction of the propeller with the arms in the free fall position (90 degrees to the trunk and 90 degrees to the forearms).

Remember the engine noise will be very loud so shout to your instructors to ensure they can hear you.

The sequence to be performed will be to look at the instructor on the left and ask him: READY? ... wait for your OK, look at the instructor on the right and ask him: READY? ... wait for your OK, look forward with your head up and shout at the same time you swing your body: OUT ... INSIDE ... OUT and you push forward (never down or up).

#### FREEFALL:

We need to fall in a stable position, what we are looking for to fall stable is that the center of gravity (the pelvis) is the lowest part of our body (this we call arching) and at the same time our body is symmetrical. On our left side there is the same surface as on our right side and from our center of gravity forwards we have the same surface as backwards.

We will achieve this by forcing to our pelvis forwards while we put tension on our legs and toes to carry them slightly stretched and leave our arms relaxed with elbows bent at 90 degrees letting the air lift them to the correct position. We keep our head up looking at the horizon.



STABLE POSITION

It is important that we leave the plane in the stable position, not jump first and then arch.

In our first jump and during the first three or five seconds of free fall we experience what is called "sensory block", the fact of being in a completely unknown environment for the first time makes us feel slightly confused.

We will be in from 13,000 feet to 6,000 feet and at that height we will open the parachute, the speed of descent is about 200 km / h and it takes 50 seconds to cover the 7,000 feet.

During the free fall the instructors will communicate with you by signals and depending on which level you are at you will have some exercises to do. Throughout the course at 6,000 feet the exercises are finished and you will signal to the instructor "no more work", you do this by moving your head from left to right.

Then you will look at the altimeter until the 6,000 feet that you will make the opening signal, you will pull the deployment handle of the main canopy and check the parachute above your right shoulder counting ... one thousand one, one thousand two .... until one thousand five.

# NOTE: Remember to keep a good arch throughout the jump, from the moment we leave the plane until the parachute is fully open.

#### SEQUENCE OF OPENING:

Starting from the correct body position (good arching), we search with the right hand the pilot chute while we compensate by simultaneously moving our left arm to the front, placing it in front of our head.

Gripping the pilot chute firmly, we pull it out of his pocket and throw it hard as we turn our wrist leaving the palm of our hand facing the sky.



CORRECT OPENING PROCEDURE.

#### OPENING:

It is important to remember that the air behind our bodies and those of our instructors is not "clean air", it is disturbed by the bodies falling through it. This disturbance is called "burble" and it can cause the pilot chute to take time to catch air and inflate, for this reason it is important to throw the pilot chute firmly away from the body and into clean air so that it inflates quickly.

Once inflated the pilot chute pulls the closing pin out of the container's closing loop allowing the flaps to open, it then pulls the bag and the lines clear of the container until the lines open the bag and allow the main canopy to open and inflate. This process is slowed slightly by the slider. The slider is a rectangular piece of fabric through which the parachute lines are routed and which prevents the canopy opening too fast.

#### SEQUENCE OF CANOPY DEPLOYMENT



Once your canopy is open you must check that it is flying correctly and that you can land it safely.

The first thing to do is to carry out a **TAP** check, that is to check

Traffic ie what other canopies are around you,

Altitude, how high are you and

Position, where are you in relation to the intended parachute landing area.

Once you have established you are in a safe position and in clear air you should do a flight test. First carry out 3 "flares", that is pull both toggles all the way down, this ensures that the canopy is fully open and that the slider is all the way down. When you have done this turn your canopy 90 degrees right followed by 90 degrees left (remember your TAP check first) to make sure the canopy flies straight and turns accurately.

#### FLYING YOUR CANOPY:

Your canopy flies exactly the same way as any wing ie air flowing over the curved upper surface causes a lowering in pressure while the air passing under the lower surface causes increased pressure, the result is lift.

You have the controls to direct your canopy ie toggles and risers. Pulling on rear risers will have the same effect as pulling down on the toggles (it will turn or slow the canopy) but more energy is required to have an equivalent effect when using risers when compared to using toggle inputs. Remember that making turns results in loss of altitude, you will lose approximately three times as much height in a turn as you would in the same amount of time in straight and level flight.

When flying straight the best and most efficient way to fly your canopy is in full drive ie arms right up and brakes fully off. When making turns toggle inputs of around 50% are the best.

In turbulent conditions 30% brakes will make the flight more comfortable while still maintaining pressure in the canopy. Full brakes in these conditions can cause a loss of canopy pressure which can result in the canopy stalling, that is collapsing and falling backwards. To regain control of a stalled parachute you must smoothly and gradually raise your arms releasing the brakes the canopy will then re inflate and fly normally.

Throughout your canopy flight it is important that you remain observant and conscious of your altitude and position and the altitude and position of other canopies around you(TAP).

As a general rule of flight all canopies below you have priority over you.

If you find that you are heading directly towards another canopy both pilots should turn right to avoid collision.

During your canopy flight always maintain both vertical and horizontal separation from other parachutes.

If you find yourself flying in cloud and visibility is poor apply 50% brakes and make a continuous, slow, right turn this will prevent you from flying too far from the intended parachute landing area.

#### TRAFFIC AND LANDING.

Once you have carried out your TAP (Traffic, Altitude, Position) checks and checked your canopy for correct flight and landing abilities, you must use the references you will have taken before the jump to fly your canopy to the holding area. Here you will wait, making figure of eight turns, until you are at 1000 feet.

At 1000 feet you will begin your final traffic. This begins by flying your canopy downwind (with the wind behind you) until you reach an altitude of between 500 and 600 feet. You will then turn and fly a "base leg" which means you will fly across the direction of the wind until you reach a height of 200 to 300 feet at which point you will turn your canopy into wind and fly your final (landing) leg.

It is important that you land your canopy "into wind" so establishing wind direction is very important when you begin your traffic to ensure that your final turn takes you in a direction facing the relative wind. Use your altimeter to ensure that you make your traffic turns at the correct altitude.

When you are on your final (landing) leg of your traffic plan you must get your body into landing position, that is feet and knees together and knees slightly bent. Your arms should be extended all the way up with the control toggles in your hands allowing your parachute to gain its maximum speed.

At between 3 and 4 meters from the ground you "flare" the canopy, this is just a controlled stall and it is achieved by simultaneously and smoothly pulling down on both toggles so that the moment of 100% braking matches the moment your feet touch the ground. If you flare high you must VERY GENTLY raise the control toggles to 75% and then re brake to 100%.

#### NB

#### Below 1000 feet do not make turns of more than 90 degrees.

Below 300 feet (on final approach) do not make any turns but minor adjustments can be made.





#### DEBRIEFING.

After landing take your parachute to the packing area and leave it with the packers. Your instructor will debrief your jump with the aid of video footage and he will advise what went well and what can be improved in your next jump.

# **EMERGENCIES PROCEDURES**

(We will divide the emergency section in each of the areas and order that we will find in each jump: plane, free fall, equipment and landing.)

#### AIRCRAFT EMERGENCIES:

While in the airplane it is advisable to move around as little as possible in order to minimize the risk of snagging your pilot chute, reserve release handle or cut away handle, if you do have to move try to protect them as much as possible.

If your parachute container does open while in the aircraft and your main or reserve canopy opens you must hug the fabric and prevent it from going into the door and the airstream.

If any part of your parachute, your pilot chute or your deployment bag goes out of the door jump out following it and prepare for a malfunction.

If on exit part of your main canopy gets hooked on the aircraft and you find yourself hanging pull your cut away handle and open your reserve.

Depending on altitude aircraft emergencies will be dealt with as follows:

Below 1000 feet you will land with the aircraft. Adopt the emergency position of hands to head and head between legs.

From 1000 to 3000 feet sit in the door, grab your RESERVE handle with both hands and jump. Count "one thousand, two thousand" then pull the reserve handle.

From 3000 to 5000 feet sit in the door, take hold of your pilot chute handle, jump, arch, count "one thousand, two thousand" and throw your pilot chute forcefully away from your body.

Above 5000 feet jump as normal but remember you may not have time to complete the full scheduled jump.

If you are descending with the airplane your instructor will disconnect your AAD (Cypress, Vigil, Argus).

NB: in case of aircraft emergency, the instructor will be in communication with the pilot (who is the authority on board the plane), and he will tell when to abandon the plane. it is important to keep contact with your instructors inside the plane.

#### EMERGENCIES IN FREEFALL.

There are three possible emergency situations in free fall:

1) Falling in uncontrolled spin or with your body unstable... In this situation Arch to regain control.

2) Losing contact with an instructor..... Follow instructions from the second instructor.

3) Losing contact with both instructors.....If you have altitude awareness then continue to try to control your body position by arching until 5000 feet then deploy your main parachute. If you are not aware of your altitude count to five (1001, 1002, 1003, 1004, 1005) then open your main canopy.

To open your canopy make the penning signal then grasp the pilot chute ball and throw the pilot chute away from your body and into the airstream

#### EQUIPMENT MALFUNCTION.

#### STANDARD EMERGENCY PROCEEDURE FOR EQUIPMENT MALFUNCTON: LOOK FOR THE CUT AWAY HANDLE AND GRASP IT WITH YOUR RIGHT HAND, LOOK FOR YOUR RESERVE DEPLOYMENT HANDLE AND GRASP IT WITH YOUR LEFT HAND. PULL THE CUT AWAY HANDLE BY EXTENDING THE RIGHT ARM FULLY DOWNWARDS AND FORWARDS, WHEN THE MAIN CANOPY IS RELEASED PULL THE RESERVE DEPLOYMENT HANDLE WITH YOU LEFT HAND EXTENDING YOU ARM FULLY DOWN AND FORWARD.

This procedure should be followed whenever we have an equipment malfunction. The reserve canopy can be deployed without cutting away the main parachute in circumstances where no handles have been pulled but during the course the procedure outlined above should always be followed.

An equipment malfunction is any situation where the canopy or the control lines are in such condition as to make controlled flight and landing impossible.

There are two types of equipment malfunction:

1) **Total (high speed) malfunctions**. Examples are you are unable to locate the pilot chute handle or have located it but cannot release it from the container. Or you have thrown the pilot chute but nothing has opened.

These malfunctions require quick actions because you are still falling at freefall speed.

2) **Partial (low speed) malfunctions**. These are incidents where the canopy opens partially but does not develop properly and is therefore not able to be flown and landed.

The partial development of the canopy will provide friction which will slow your rate of decent but you must have a minimum height at which you will decide to cut away and open the reserve.

This is the **DECISION ALTITUDE** and it is **2,500 feet**. If you do not have a fully developed and correctly functioning canopy at this altitude you must initiate the emergency procedure.

Decision Altitude 2500 ft does not mean below that altitude you can not cutaway your main parachute. The minimum altitude to cutaway your main parachute is 1000FT. Below 1000FT we open reserve directly.

There are some cases that at first glance appear to be malfunctions but are in fact just minor incidents eg line twists, however ,you should always be aware that such an minor incident can become a malfunction.

#### TOTAL MALFUNTIONS:

- **Hidden Pilot chute.** Occurs when you cannot find the pilot chute ball and therefore cannot open your main canopy. Make two attempts to find the ball then, if you still cannot locate it go to emergency procedures immediately.
- **Hard pull**. Occurs when you can locate the pilot chute but cannot release it from it's pocket. Make two attempts to release it then go to emergency procedures.
- **Close container**: we pull something but nothing opens or happened. Proceed to emergency procedure.
- **Pilot chute out of the pocket**: grab it securely and pull it away.

#### PARTIAL MALFUNCTIONS:



**Horseshoe malfunction.** This is when the pilot chute, bridle line or other part of your equipment becomes entangled with your body and prevents the parachute from opening. Make two attempts to disentangle then go to emergency procedure.

**Opening out of Sequence.** This is when the container opens and the parachute begins to deploy while the pilot chute is still in the pocket. In this instance throw the pilot chute and prepare for a possible malfunction (malfunctions are more likely to occur with an out of sequence deployment).

**Bag lock**. This is when the pilot chute opens the container and the main canopy deployment bag is released but the bag remains closed and the canopy does not deploy. Make your 5 second count then go to emergency procedure if the canopy has not opened.



**Collapsed canopy.** This is when the pilot chute opens the container and the main canopy deployment bag is released, the canopy is going out but not inflating. Make your 5 second count then go to emergency procedure if the canopy has not opened completely.



**Slider Hang-up.** Occurs when the slider gets entangled with part of the canopy fabric or with the lines preventing it from sliding down.



Line Over. This is when steering lines route over the top of the canopy preventing it from being flown or landed safely.



**Tension Knots.** These are knots in the canopy lines which prevent the slider from descending fully rendering the canopy impossible to fly and land safely.

**Two Canopies Open.** When both the main and reserve canopies are open together. If the canopies are one in front of the other do not cut away but fly both using the rear risers of the rearmost canopy. If the canopies are side by side then do not cut away, control both canopies using the rear risers of one canopy. In both cases use gentle inputs and make only smooth wide turns.

If the canopies separate and begin to dive, then cut away the main canopy.

INCIDENTS.

Broken lines. Perform flight test

**Damaged Canopy**. If the hole is smaller than a head perform flight test.

**Premature Toggle Release**. Releasing the other toggle will stop the canopy turning.

Canopy sides closed. Release and pull brakes. Perform flight test.

Canopy sides closed and slider up. Release and pull brakes. Perform flight test.



**Line Twists.** Do not release the brakes. First grasp the risers and pull them apart then kick your legs in the opposite direction of the twists to undo them. When the twists have been kicked out release the brakes and take control of the canopy.



#### Pilot Chute In Front Of Canopy perform flight test



#### Canopy collision

Make yourself as small as possible to pass between the lines of the other parachute. It is important to have good communication with the other parachutist in order to decide who will cut away first (this will usually be the one who has passed through the lines once he has cleared his body from the lines.

#### EMERGENCY LANDING.

The risks in emergency landings can be reduced to a minimum if:

#### You prepare your landing while you have sufficient height You avoid obstacles.

Emergency landings should always be carried out using a *Parachute Landing Role.* The role is designed to cushion the impact of landing by dividing the force between legs, hip, side, shoulders and back.

It is always preferable to land using the parachute landing role when landing with a cross wind or a tail wind in order to avoid obstacles or low turns.

#### Landing on hard obstacles (Buildings, ships, cars etc.)

Feet together, knees bent and flexed with tension. Brake before hitting the object and protect yourself with your arms to prevent injury to your face and neck.

*Landing in trees.* Use the same body position as for landing on hard obstacles. If you become hung up in the trees do not try to get down but wait for help.

*Landing on electricity cables.* Use the same body position as for landing on hard objects, arms up between the risers and head turned to the side. If you become "hung up" do not touch the ground or any metal parts of your equipment, wait for qualified help.

Landing in water. If you are going to land in water loosen your leg straps about 3 or 4 centimetres and fully release your chest strap. If you are wearing a weight belt discard it and disconnect your reserve static line (RSL). Get your body into the parachute landing roll position (feet and knees together, knees bent and flexed) and as soon as you make contact with the water pull your cut away pad to release your main canopy, bring your arms out of your harness and swim away from your parachute rig. If there are other parachutists with you stay together, it will be easier to locate you.

**Landing off the drop zone.** If you cannot make it back to the drop zone look for a large, unobstructed field as an alternative landing area. Always decide where you are going to land before you reach 1000 feet.

### **COMMUNICATION IN FREEFALL.**

To communicate in free fall we use hand signals. During the course your instructors will use hand signals to give you instructions, to correct your body position etc.

There are three types of signals your instructors will use:

Reminders, if you forget one of the exercises to be performed.

Correction signals, these are used to correct body positions

Safety signals, for safety issues.

#### **Reminder Signals**

Circle of awareness.



**Opening Practice** 



#### **Reminder Signals**

ARMS: Look at your arms, correct them to 90° position.



ARCH: Arch your body, check your body position



Pelvis down: push pelvis down



Legs out: stretch your legs.



Legs: bend your legs



Relax arms and shoulders (this signal is given when your body position is correct but your body is tense. Your instructor will shake his hand slowly in front of you)

#### Safety Signals:

**Check your altimeter:** you will fill knocks in your head or the instructor will show his altimeter in front of you touching it with his right hand

#### Open: Pull



## COURSE LEVELS 1 - IV

Before talking about the different levels of the course it should be remembered that the course is tailored specifically to the students individual training requirements, therefore the exercises incorporated into each level will be designed by your instructor to suit your personal needs.

The most important thing is that the student achieves the minimum required objectives for each level so that no levels need to be repeated.

Below you can see the requirements needed to pass each level followed by the sequence of each jump.



#### LEVEL 1:

This level will be your first experience of free fall and you will realise how easy it is.

#### **Objectives:**

To give the student the experience of free fall. Perception of orientation in relation to the ground. Understanding instructor signals Practice opening drills Altitude awareness Opening at 5,000 feet

#### Sequence of the jump:

Exit the aircraft with two instructors Circle of awareness (**HASP**) height, attitude, secondary instructor, primary instructor. Three practice openings Control of orientation (facing the horizon) Altimeter check every three to four seconds At 6,000 feet signal "no more work" At 5,000 feet signal and open main canopy.



Opening signal





Thereway

Arch

Locate

Pull

#### LEVEL2:

During this level you will practice and consolidate your body position and you will make a forward movement in order to understand fully the effect of your legs.

#### **Objectives:**

To give the student the experience of free fall. Perception of orientation in relation to the ground. Understanding instructor signals Practice opening drills Greater perception and refinement of body position Altitude awareness Opening at 5,000 feet.

#### Sequence of the jump:

Exit the aircraft with two instructors. Circle of awareness (HASP) Two practice openings A forward movement Control of orientation facing the horizon Check altimeter every 3 to 4 seconds At 6,000 feet signal "no more work" At 5,000 feet signal and open main canopy



Pull Open Canopy

#### <u>LEVEL 3:</u>

At this level the instructors will release their hold on you so that you can practice what you have learned in levels 1 and 2.

#### **Objectives:**

Experience of free fall Control of the three axis ie maintain a stable position in free fall Altitude awareness Opening at 5,000 feet

#### Sequence of the jump.

Exit the aircraft with two instructors Circle of awareness (*HASP*) 1 practice opening Control of orientation and stable position facing the horizon Altimeter checks every 3 to 4 seconds At 6,000 feet signal "no more work" At 5,000 feet signal and open main canopy



NEUTRAL POSITION



Pull



### <u>LEVEL IV</u>

On level four you will jump with one instructor. You will begin to learn the techniques for turning and you will practice them in front of him.

#### **Objectives:**

Experience of free fall Control of the starting and stopping of turns of less than 90 degrees Altitude awareness Opening at 5,000 feet

#### Sequence of the jump:

Exit aircraft with one instructor Control the orientation (with respect to the instructor) of turns of less than 90 degrees. Maintain altitude awareness checking your altimeter every 3 to 4 seconds and after every turn.

At 6,000 feet signal "no more work"

At 5,000 feet signal and open main canopy



TURN TECHNIQUE



6.000Ft

No more work signal

Opening signal

((.....))

(



Pull



#### Level V:

In this level you will consolidate the techniques for making turns by making controlled 360 degree turns.

#### **Objectives:**

Experience of free fall Make controlled 360 degree turns Altitude awareness Opening at 5,000 feet

#### Sequence of the jump:

Exit the aircraft with one instructor Make controlled 360 degree turns at the instructor's signal Control of the starting and stopping of turns of less than 90 degrees Maintain altitude awareness checking your altimeter every 3 to 4 seconds and after every turn. At 6,000 feet signal "no more work"

At 5,000 feet signal and open main canopy



#### <u>LEVEL VI</u>

In this level you will leave the aircraft alone (although your instructor will follow you out). You will learn to perform loops and you will learn the "track" body position.

#### **Objectives:**

Experience of free fall Perform controlled loops and carry out short tracks Altitude awareness Opening at 5,000 feet

#### Sequence of the jump:

Depart the aircraft alone Control your orientation and perform exercises at your instructor's signal Maintain altitude awareness checking your altimeter every 3 to 4 seconds and after every exercise.

At 6,000 feet signal "no more work" At 5,000 feet signal and open main canopy



#### <u>LEVEL VII</u>

Level seven is the level at which you will have to demonstrate to your instructor everything learned in previous levels. He will be a mere spectator and you will execute the whole sequence of the jump without him having to intervene.

#### **Objectives:**

Experience in free fall Control of all exercises Altitude awareness Opening at 5,000 feet

#### Sequence of the jump:

Exit the aircraft alone Carry out loops Track for 5 seconds Turn right 360 degrees Turn left 360 degrees Check altimeter every 3 to 4 seconds and after every exercise At 6,000 feet signal "no more work" At 5,000 feet signal and open main canopy.

### WHAT YOU SHOULD DO NOW:

Congratulations, you're already a Skydiver. But we have to continue learning.

Start by following a tradition inviting us to a few beers while we watch and discuss your jumps.

From now on, continuity is very important so as not to lose skills. You must make at least one jump per month, otherwise you will have to do an instructor check jump.

First of all, read the following pages of this manual so you know or remember all the safety regulations of this dropzone. Any questions, ask an instructor.

Here is a basic guide to what you should do each time you come to jump with us:

- Do "check-in" in the burble app on your mobile so that we know you are here through our computer system

- Find an instructor and discuss your progression to guide you in your next jump

- Manifest on a flight with enough time to take your material, check it, and be ready to get on the plane in the 5-minute notice

- Communicate to the organizer, or person with more experience of the jump, your intentions, what type of jump you are going to do and altitude of opening

- Remember what you learned, protect your equipment in the climb on the plane and review your jump mentally

- Once on the ground place your rig and the packing card as you have been taught, take off your jumpsuit and place all your material in its right place

- Fill your jump log book, stamp it at the office and have it signed by an instructor



# SKYTIME GENERAL RULES

#### **POR SI NO LO RECUERDAS EL PARACAIDISMO ES UN DEPORTE PELIGROSO**

### **IN CASE YOU FORGOT** SKYDIVING IS A DANGEROUS SPORT

DE TI DEPENDE hacerlo lo más seguro posible NO SEAS CONFORMISTA ASUME RESPONSABILIDADES por tu propia seguridad y la de los que te rodean PROCEDIMIENTOS DE EMERGENCIA revísalos antes de cada salto CHEQUEO DE EQUIPOS siempre pide uno antes de cada salto. Hasta el salto 25 un instructor debe chequearte. A partir del salto 25, chequeo de un instructor es recomendable, chequeo entre paracaidistas es obligatorio. CONOCE EL TIEMPO DE SEPARACIÓN necesario entre grupos ACERCATE AL AVIÓN SIEMPRE POR DETRÁS y siempre cuando el avión se haya detenido completamente RECUERDA CHEQUEAR LA LÍNEA ROJA EN LA COLA DEL AVIÓN CINTURONES DE SEGURIDAD Y CASCO obligatorios y puestos hasta 1000Ft LA PUERTA DEL AVIÓN debe estar cerrada hasta 1000Ft, chequea siempre con el piloto o instructores antes de abrir la puerta No golpees la puerta al abrir o cerrar. CAMARAS debes tener al menos 100 saltos y recibir un briefing de un instructor, antes de saltar con cualquier cámara CHEQUEO DE ANILLAS Y PILOTILLO hazlo antes de prepararte para salir del avión, ten cuidado al moverte dentro del avión protege y chequea tu pilotillo hasta la salida del avión CUENTA BIEN EL TIEMPO DE SEPARACIÓN y confirma visualmente que existe suficiente separación horizontal. Movimientos laterales (Freefly) y derivas cortas individuales o de grupos pequeños, deben ir siempre perpendiculares a la pasada del avión. runway MOVIMIENTOS LATERALES (FreeFly) y derivas cortas individuales o de grupos pequeños, deben ir siempre perpendiculares a la pasada del avión EN LA SEPARACIÓN se consciente de donde está todo el mundo a tu alrededor MALFUNCIONES expectante ante una malfunción y preparado para ejecutar los procedimientos de emergencia ¿TU CAMPANA SE HA ABIERTO CORRECTAMENTE? si te lo tienes que preguntar, la respuesta es probablemente "no". Ejecuta el procedimiento de emergencia sin demora. Recuerda altura de decisión 2500Ft. BUSCA EL RESTO DE CAMPANAS durante todo tu vuelo de campana DESPUÉS DE LA APERTURA vuela tu campana perpendicular a la pasada del avión hasta ver abierto al siguiente grupo DURANTE TU VUELO DE CAMPANA haz solo los giros necesarios DIRECCIÓN DE ATERRIZAJE siempre determinada por la manga de viento, si no hay flecha o "T", pregunta a los instructores por la dirección de aterrizaje y chequea nuestra foto aérea con patrones de aterrizaje ATERRIZAJES EN LA PLAYA 100 saltos mínimo para aterrizar en la playa, equipos de alquiler no permitidos, obligatorio briefing de instructores y aterrizar paralelo a la línea de costa. TANDEMS Y ALUMNOS SIEMPRE TIENEN PRIORIDAD BAJO CAMPANA Es más fácil para ti maniobrar y acomodarte a sus tráficos HAZ SIEMPRE UN TRÁFICO DE CAMPANA PREDECIBLE con patrones largos y rectos como muestra nuestra foto de patrones de aterrizajes, mantén separación horizontal y vertical, no aceleres para adelantar a otras campanas GIROS DE MÁS DE 360 GRADOS NO ESTÁN PERMITIDOS por debajo de 1000Ft, no hagas giros consecutivos de más de 180 grados por debajo de 1000FT, giros consecutivos de más de 90 grados no están permitidos por debajo de 500FT. No ay razón para hacer giros de más de 90 grados por encima de 1000FT. ABRE TU CAMPANA EN EL LADO OESTE DE LA PISTA debes estar al menos a 1000Ft cuando cruces la pista y ser capaz de entrar en tu tramo de viento a favor con suavidad ATERRIZAJES FUERA DE ZONA, si no puedes llegar a tu zona de aterrizaje normal a una altura razonable, elige una zona de aterrizaje alternativa (ver foto). No te arriesgues, elige la zona de aterrizaje buena a la altura correcta. APROXIMACIÓN FINAL debes estar en final a la altura correcta. Vuela recto con mandos arriba. Sin hacer zigzag ni volar frenado. ATERRIZAJES no arriesgues para aterrizar de pie, resbalar con el culo o hacer la rulé (PLF) es siempre mejor que arriesgar. DESPUÉS DE ATERRIZAR baja tu campana al suelo rápidamente y gírate para ver posibles tráficos cercanos. Muévete hacia la zona de plegado cuando sea seguro hacerlo ATERRIZAJES EN LA ZONA ESTE DE LA PISTA debes cruzar la pista a través de los pasos de cebra. Asegúrate de mirar en busca de aviones a ambos lados antes de cruzar. Si se puede cruzar, cruza perpendicular a la pista lo más rápido posible. Si vienes aviones o están entrando en la pista, aléjate hacia atrás 20 metros y pon una rodilla en tierra con el paracaídas en el hombro quédate mirando al piloto para hacerle saber que le has visto y no vas a cruzar hasta que la pista esté despejada. ATERRIZAJES CERCA DE LA PISTA aléjate de la pista cuanto antes WINGSUIT, TRACKERS Y SALTOS DE ÁNGULO máximo dos grupos de track o ángulo por avión, lee/pregunta por las normas de vuelo horizontal, mira la foto aérea con los patrones de vuelo horizontal ZONAS DE ATERRIZAJES PELIGROSAS mira las fotos aéreas **¡USA TUS OJOS Y TU CEREBRO!!** Ningún grupo de normas podrá reemplazar jamás el buen sentido común y el buen hacer en las decisiones que tomamos. Estate atento a tu alrededor y a los tráficos en todo momento. Mira lo que hay a tu alrededor y elige la opción más segura... o te patearemos el culo.

IS UP TO YOU to make it as safe as possible DON'T BE COMPLACENT! TAKE RESPONSIBILITY for your safety and those around you **EMERGENCY PROCEDURES** ... Review them before every jump GEAR CHECKS... Get one before every jump. Until 25 jumps instructor must check you. From 25 to 100 check from instructor recommended and between jumpers mandatory. From 100 jumps, you can check yourself and be check by others. FIND OUT THE EXIT SEPARATION TIMINGS needed between groups ALWAYS APROACH THE PLANE FROM THE REAR and always when the plane has stopped completely REMEMBER TO CHECK RED LINE ON PLANE TAIL

SEATBELTS AND HELMETS must be on until 1000 ft THE AIRCRAFT DOOR must stay closed until 1000ft, always check with pilot or instructors before open the door. Don't slam door on open or close

CAMERAS you must have at least 100 jumps before jumping one, even gopro HANDLE CHECKS do one before preparing to exit, be careful on moving inside plane and check your pilochute until the exit COUNT OFF EXIT SEPARATION TIME and visually confirm that there is adequate horizontal separation LATERAL MOVEMENTS (freefly) and short trackings individual or small groups must go always perpendicular to plane

ON BREAK OFF stay aware of everyone around you

MALFUNCTIONS expect them and be ready to perform emergency procedures DO YOU HAVE A GOOD CANOPY OVER YOUR HEAD? If you have to ask, the answer is probably "No". Execute your emergency procedure without delay. Remember decision altitude 2500FT LOOK FOR THE OTHER CANOPIES during your entire canopy flight AFTER OPENING flight your canopy perpendicular to jump run until you see the next group open. **DURING YOUR DESCENT UNDER CANOPY** do as few turns as possible LANDING DIRECTION is determined by the wind sock, if there is no arrow, ask instructors for landing directions and check our landing patterns picture.

BEACH LANDINGS must have at least 100 jumps and no rental gear allowed on the beach. You must have a briefing from instructor and always land parallel to the sea coast.

TANDEMS AND STUDENTS HAVE THE RIGHT OF WAY It is easier for you to manoeuvre and accommodate their flight paths than it is for them to accommodate you

FLY A PREDICTABLE PATTERN with long straight legs as pictures shows, keep horizontal and vertical separation, don't speed to pass other canopies.

NO MORE THAN 360 DEGREE TURNS below 1000ft, no more thank 180-degree consecutive turn below 1000ft, no more than 90-degree consecutive turn below 500ft, no reason to do turns greater than 90s above 1000ft either. OPEN ON THE WEST SIDE OF THE RUNWAY you must be at least 1000ft when you cross the runway and be able to smoothly enter into your downwind leg of the pattern

OUTSIDE LANDING AREAS, if you cannot make the normal landing area by a reasonable altitude, choose alternative landing areas (see picture). don't risk yourself, choose the right landing area at the right altitude. FINAL APPROACH be on it at your right altitude, fly straight in a full flight. no zigzagging or deep break flying LANDING don't try to force a stand up. Slide in or PLF if necessary. AFTER LANDING immediately collapse your canopy and turn to see incoming canopy traffic. Move to the packing area when it is safe to do so

LANDING ON THE EAST SIDE OF RUNWAY must cross runway through the crosswalk point. Be sure to check for planes both sides before crossing. If it's clear cross in a short path perpendicular to the runway as fast as possible. If planes are coming or getting into the runway, get back 20 meters and put one knee on the floor with parachute over your shoulder and keep looking the pilot to show him you saw him and you are not going to cross until the runway is clear. LANDING NEAR TO RUNWAY get far from it as soon as you can WINGSUIT, TRACKERS AND ANGLE FLYERS please ask/read for the horizontal flying rules and guidelines, and see the aerial photo for flight paths

HAZAROUS LANDING AREAS see aerial photos USE YOUR EYES AND BRAINS!!

No set of rules will ever replace good awareness and common sense decision making. Stay aware of your surroundings and traffic at all times. See what's going on around you and make the safest choice... or we will kick your ass.



# NORMAS PARA SALTOS DE RELATIVO EN SKYTIME – SKYTIME BELLY JUMP RULES

EXPERIENCIA	REQUIRED MAN	IDATOR'	
<ul> <li>MENOS DE 25 SALTOS</li> <li>Únicamente puede realizar saltos solo o acompañado de un instructor de Skytime o persona autorizada por un instructor.</li> <li>Con 25 saltos ya puede obtener el título A para saltar con otros paracaidistas siguiendo estas normas.</li> </ul>	<section-header><list-item></list-item></section-header>	<ul> <li>LESS THAN 25 JUMPS</li> <li>Only solo jumps or with Skytime instructor or authorised person by Skytime instructors.</li> <li>With 25 jumps you can get A license to jump with other jumpers following these rules.</li> </ul>	- 2 jun incre more one by S - In th sepa plane
<ul> <li>ENTRE 55 y 80</li> <li>Tres componentes máximo incluido tú mismo, en posición de caja.</li> <li>Este grupo podrá verse incrementado en un saltador más, siempre que tenga al menos 200 saltos o título C, siendo éste el organizador del salto y responsable del mismo y esté autorizado por algún instructor de Skytime o persona autorizada por Skytime.</li> </ul>	<ul> <li>ENTRE 80 y 200 SALTOS</li> <li>Cuatro componentes máximo, incluido tú mismo.</li> <li>Este grupo podrá verse incrementado en varios saltadores más, siempre que todos tengan al menos 200 saltos o título C y estén autorizados por algún instructor de Skytime o persona autorizada por Skytime.</li> </ul>	<ul> <li>BETWEEN 55 AND 80 JUMPS</li> <li>3 jumpers máximum including yourself.</li> <li>This group can be increase by one more jumpers if this third one has more than 200 jumps or C license, being this third one the responsible of the jumps and authorised by Skytime instructors</li> </ul>	- 4 ju - This all c and
<ul> <li>Mira el cuadro de experiencia puedes o no puedes hacer.</li> <li>Queda absolutamente prohibio anteriores, hasta que no se hay un control del entorno correcto como una perfecta separación a</li> <li>Uso de audible recomendado en</li> </ul>	<ul> <li>GENI</li> <li>Look at the mandatory required e jumps you can do.</li> <li>Freefly jumps or other different jur with less than 80 jumps in order t and altitude perception and a corr</li> <li>Audible recommended for all grouted for grouted for all grouted for grouted for</li></ul>	ERAL RU xperienc nps that o contro ect sepa p belly ju	

### **Y EXPERIENCE**

#### **BETWEEN 25 and 55 JUMPS**

npers together maximum, this number can be ease by one more jumpers if this third one has e than 200 jumps or C license, being this third the responsible of the jumps and authorised Skytime instructors.

this phase, always if you skills allow it, aration tracking must be perpendicular to the e runway.

#### **BETWEEN 80 AND 200 JUMPS**

Impers máximum including yourself. s group can be increase with more jumpers if of them has more tan 200 jumps or C license are authorise by Skytime instructors.

#### JLES

ce table to know what type of belly flying

the ones described above are not allowed ol the environment in a proper way, speed aration before opening the parachuteumps.



# NORMAS PARA SALTOS DE FREEFLY EN SKYTIME – SKYTIME FREELFY JUMP RULES

EXPERIENCIA I	REQUIRED MANDATORY	
MENOS DE 80 SALTOS	MAS DE 80 SALTOS	LESS THAN 80 JUMPS
- No está permitido hacer saltos de freefly con menos de 80 saltos.	<ul> <li>Haber completado los 80 saltos siguiendo las normas de saltos de relativo de Skytime</li> <li>Saltos SOLO o acompañado de un instructor de Skytime o persona autorizada por instructores de Skytime.</li> <li>En saltos solo debes recibir briefing del salto, spot y desplazamientos por parte de un instructor de Skytime o persona autorizada.</li> </ul>	<ul> <li>No freefly jumps with less than 80 jumps.</li> <li>Com jump</li> <li>Only author</li> <li>In all jump</li> </ul>
MAS DE 100 SALTOS	MAS DE 200 SALTOS	MORE THAN 100 JUMPS
<ul> <li>Haber realizado algún salto con instructor de Skytime o persona autorizada, para demostrar control de velocidad, acercamientos y alejamientos.</li> <li>También puedes demostrar dicha habilidad enseñando videos a un instructor de Skytime.</li> <li>Saltos 1-1 siempre autorizados ambos saltadores por instructores de Skytime o persona autorizada por los mismos.</li> </ul>	<ul> <li>Saltos en grupo de máximo 4 personas, siempre que los 4 cumplan los requisitos anteriores y estén autorizados por instructores de Skytime.</li> <li>Este grupo podrá incrementarse por personas con más de 200 saltos autorizadas por instructores de Skytime.</li> </ul>	<ul> <li>Have performed at least one jump with Skytime instructor or authorised person, to demonstrate control of speed and movements in a vertical freefly jump.</li> <li>You can show videos to Skytime instructor to demonstrate these abilities.</li> <li>Jumps 1-1 always authorised by Skytime instructors.</li> </ul>
NORI	IAS GENERALES	GENERAL RU
<ul> <li>Audible obligatorio en todos los</li> <li>Equipo adaptado para freefly co perfecto estado.</li> <li>Saber derivar de espaldas para 1-1 y obligatorio en saltos de ma</li> </ul>	<ul> <li>Audible altimeter mandatory ion all freefly j</li> <li>Rig freefly friendly with elastics between condition.</li> <li>Being able to track on your back is recommon freefly jumps with more than 2 jumpers.</li> </ul>	

#### **EXPERIENCE**

#### MORE THAN 80 JUMPS

pleted these 80 jumps following *Skytime belly* rules.

solo jumps or with Skytime instructor or prised person

solo jumps, you must get a briefing of the , spot and movements by Skytime Instructor.

#### MORE THAN 200 JUMPS

up jumps of maximum 4 people, all 4 must t the freefly requirements and are authorized kytime instructors.

group can be increase with more jumpers if them has more than 200 jumps and are orise by Skytime instructors.

LES

imps. legs and pilochute pocket in perfect

ended for 1-1 freefly jumps and mandatory



# **GUÍA Y NORMAS PARA SALTOS DE TRACK Y ÁNGULO EN SKYTIME**

DEBES INFORMAR (CON TIEMPO SUFICIENTE) AL MANIFEST O INSTRUCTORES DE SKYTIME SI HACES ALGÚN TIPO DE SALTO DE TRACK, ANGULO O DESPLAZAMIENTO HORIZONTAL. Si no informas y hay algún conflicto, igual debes hacer otro tipo de salto o bajarte del vuelo. Audible obligatorio para todos los saltos de track, ángulo, track suit, wingsuit.

EXPERIENCIA REQUE	RIDA OBLIGATORIA	NORMAS GENERALES	
<ul> <li>MENOS DE 50 SALTOS</li> <li>No puede hacer saltos completos de track ni ángulo, ni siquiera solo, a no ser que un instructor de skytime o persona autorizada por un instructor vaya con él.</li> <li>No puede saltar con track suit ni wingsuit</li> </ul>	<ul> <li><b>ENTRE 50 y 99 SALTOS</b></li> <li>Puede hacer saltos de track solo si le autoriza un instructor de skytime.</li> <li>Debe tener al menos 10 saltos con instructor de skytime para poder saltar en grupos de máximo 2 personas.</li> <li>Debe haber un instructor de skytime (o persona autorizada por un instructor de Skytime) en cualquier salto que hagas de track o ángulo de más de 2 saltadores.</li> <li>Máximo 4 personas por grupo.</li> <li>To puede saltar con track suit o wingsuit</li> </ul>	<ul> <li>TRACK O ANGULO:</li> <li>Mira el cuadro de experiencia requerida para saber qué tipo de</li> <li>MÁXIMO dos grupos de track o ángulo están permitidos por avi</li> <li>No están permitidos saltos de track o ángulo si no hay completa visi</li> <li>No están permitidos saltos de track si la pasada del avión no es para</li> <li>Los líderes de los grupos de track siempre deben volar de pecho Y</li> <li>Un grupo saldrá primero y otro el último de la pasada, mirar gráfico</li> <li>Ninguna otra dirección de vuelo diferente a la de los gráfico managers/instructores de skytime.</li> <li>Si aterrizas fuera de zona quédate en el lugar y alguien ira a recoge</li> <li>Recuerda que cuando abres la campana más lejos que los demá prioridad sobre ti en el aterrizaje y vuelo de campana. Vuelve a la D no te cruces con otros grupos o paracaidistas.</li> </ul>	
<ul> <li>ENTRE 100 y 199 SALTOS</li> <li>Debe tener al menos 10 saltos con algún instructor de skytime para poder saltar en grupos de máximo 3 personas sin ir acompañado de un instructor o persona autorizada.</li> <li>No puede saltar en grupos de más de 3 personas sin un instructor en dicho grupo.</li> <li>Máximo 4 personas por grupo</li> <li>Puede saltar un track suit después de un salto de chequeo con un instructor de skytime</li> </ul>	<ul> <li>ENTRE 200 y 500 SALTOS</li> <li>Puede saltar y liderar saltos de track de no más de 4 personas después de haber recibido autorización y briefing de un instructor o persona autorizada de skytime</li> <li>Puede saltar un track suit después de haber recibido un briefing por parte de un instructor de skytime</li> <li>Puede hacer un curso de wingsuit con un instructor autorizado por skytime</li> </ul>	<ul> <li>TRACK SUITS:         <ul> <li>Mira el cuadro de experiencia requerida para saber si puedes sa</li> <li>Solo dos grupos de track suit o wingsuit permitidos por cada vuelo.</li> <li>Los track suit siempre salen últimos del avión por delante de los win</li> <li>Briefing de ruta de vuelo obligatorio para todos los saltos con track s</li> </ul> </li> <li>WINGSUITS:         <ul> <li>Mira el cuadro de experiencia requerida para saber si puedes sa</li> <li>Siempre salen últimos del avión</li> <li>Briefing de ruta de vuelo obligatorio para todos los saltos con traje d</li> </ul> </li> <li>RESPONSABILIDADES/HABILIDADES DEL LIDER DE UN TRACK:</li> </ul>	
<ul> <li>No puede saltar Wingsuit</li> <li>MAS de 500 SALTOS</li> <li>Puede saltar y liderar grupos de track de más de 4 personas después de ser autorizado por el staff de skytime y haber recibido el briefing pertinente.</li> </ul>		<ul> <li>Asegurarse que todos los saltadores del grupo tienen nivel suficier seguridad generales y los cuadros de experiencia.</li> <li>Siempre volará de cara al suelo, no podrá volar de espaldas a no Skytime cualificado.</li> <li>Capaz de realizar un briefing del salto de manera correcta con tiemp</li> <li>Capaz de llevar la dirección correcta en un track</li> <li>Asegurarse que todo su grupo a llegado a la DZ con seguridad desp</li> <li>La responsabilidad completa de un salto de track corre a cargo de asumir dicha responsabilidad.</li> </ul>	

saltos de track puedes o no puedes hacer. ión.

ibilidad con el suelo desde 13000FT.

alela a la costa.

SON LOS RESPONSABLES DEL SALTO.

para dirección de vuelo.

os está permitida sin la autorización de los

erte.

ás en un salto de track, todos los demás tienen Z con la campana de forma controlada y segura,

#### altar con track suit

ngsuit suit

#### altar un traje de alas.

le alas.

nte para ese salto y cumplen con las normas de

ser que lo autorice un instructor o manager de

po suficiente.

oués de aterrizar. el líder del track, asegúrate que puedes y sabes



# **SKYTIME ANGLE AND TRACKING RULES**

YOU MUST INFORM (WITH TIME ENOUGH) TO MANIFEST OR SKYTIME INSTRUCTORS IF YOU ARE GOING TO DO ANY ANGLE, TRACKING JUMP OR HORIZONTAL FLYING JUMP. If you don't inform and there is any conflict while boarding, maybe you will make a different type or jump or get out of the load. Audible mandatory for every angle, track, track suit or wingsuit jump.

		GENERAL RULES	
<ul> <li>LESS THAN 50 JUMPS</li> <li>Can't make full tracking/angle jumps, not even alone, unless Skytime instructor or authorize person is jumping with you.</li> <li>No track suit or wingsuit allowed.</li> </ul>	<ul> <li><b>BETWEEN 50 AND 99 JUMPS</b></li> <li>Can make solo jumps authorised by skytime Instructor.</li> <li>Must have at last 10 tracking jumps with Skytime Instructor or authorised jumper to be able to do tracking jumps with a maximum of 2 jumpers without an Instructor on the jump.</li> <li>Skytime instructor must be on the jumpif you want to fly with more than 2 jumpers (including yourself).</li> <li>Jumpers maximum per jump.</li> <li>No track suit or wingsuit allowed.</li> </ul>	<ul> <li>TRACK OR ANGLE:</li> <li>Check required experience box to know what type of jumps you</li> <li>MAXIMUM 2 groups of tracking or angle per plane are allowed.</li> <li>Horizontal or angle flying is NOT allowed if there is NO full visibility in No horizontal or angle flying allowed if the jump run is not parallel to Track leaders must always fly on their belly and they have FULL RE</li> <li>One group must exit first and the other group must exit last. Look pher of the flying directions are not allowed in any jump without instructor</li> <li>Outside landings, stay in the place and someone will pick you up.</li> <li>Remember, under canopy after a tracking jump, EVERYONE HAS come back to dz flying your canopy safely and don't pass over other</li> </ul>	
<list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item>	<section-header><b>ETUREEN 200 AND 500 JUMPS</b> • An jump and be the leader of tracking jumps with a maximum of 4 jumpers atter being authorise and briefed by sytime Instructor. • An jump track suit after a briefing with a tytime Instructor. • An make Wingsuit Course with a tytime Wingsuit Instructor. <b>Stor JUMPS</b> King jumps of more than 4 jumpers after tytime Instructor.</section-header>	<ul> <li>Check required experience box to know if you can use track sure.</li> <li>Only 2 groups of track suit or wingsuit allowed per plane.</li> <li>Track suit always jump last before wingsuit.</li> <li>Flying Briefing mandatory for any track suit jump</li> <li>WINGSUITS: <ul> <li>Check required experience box to know if you can use wingsuit</li> <li>Always jump last.</li> <li>Flying Briefing mandatory for any wingsuit jump.</li> </ul> </li> <li>RESPONSABILITIES/HABILITES OF AN HORIZONTAL JUMP LEADER: <ul> <li>Make sure all the jumpers have enough knowledge and level for that box and general rules.</li> <li>Will always fly belly to ground, no back flying unless authorised by S</li> <li>Be able to make a jump briefing in a proper way and with time enou</li> <li>Able to lead in the right fly path</li> <li>Make sure all the group land and come back to the DZ safely.</li> <li>The leader has full responsibility of the jump, make sure you can hall</li> </ul> </li> </ul>	

#### u can join in.

from 13000FT.

the coast line

ESPONSIBILITY OF THE JUMP.

hoto for flying directions.

rs or managers authorisation.

PRIORITY over you on canopy fly and landing. r jumpers under canopy.

uit or not.

it or not.

jump, all accomplish the requirement experience

Skytime qualify instructors. igh

andle and know all the responsibilities.