

**UNINSURED UNITED PARACHUTE TECHNOLOGIES, LLC.**

**Tandem Instructor  
Training Logbook**

**Applicant Qualifications**

**Before beginning this program, an applicant for Tandem Instructor Training must:**

1. Currently possess or at one time been issued a USPA Instructional Rating or foreign equivalent
2. Have logged at least 500 ram-air jumps and 3 years experience in sport parachuting
3. Hold a current FAA Class 1, 2, or 3 Medical Certificate or foreign / military equivalent
4. Hold a current USPA D license (expert) or foreign equivalent
5. Be at least 18 years of age

**Applicant Data** (please fill out and print clearly - illegible submissions will not be accepted)

Name: \_\_\_\_\_

Street: \_\_\_\_\_

City, State: \_\_\_\_\_

Country, Zip / Postal Code: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Date of First Jump: \_\_\_\_\_

Number of Jumps: \_\_\_\_\_

License Type & Number: \_\_\_\_\_

USPA or Foreign Rating(s): \_\_\_\_\_

Current?                      Yes      No

FAA or Foreign / Military Equivalent Medical Certificate Number: \_\_\_\_\_

Class / Type & Date of Examination: \_\_\_\_\_

Drop Zone Affiliation: \_\_\_\_\_

USPA or Foreign Aeroclub Membership Number: \_\_\_\_\_

# Sigma Tandem/Tandem Vector Training Course

## **IMPORTANT**

**An uninsured United Parachute Technologies, LLC Sigma or Vector Tandem Rating does not allow you to use other brands of tandem equipment without additional factory authorized training.**

This logbook contains the mandatory training procedure that must be completed before a parachutist receives the Sigma and/or Vector Tandem Instructor Rating.

The procedure consists of a program of approximately 25 jumps. The first five are training jumps and the next 20 are probationary jumps divided into three sections of increasing responsibility (Section A, B, and C).

This logbook was designed to be used to record those jumps made during the training program plus any refresher or repeat jumps. At the completion of the training program, the applicant should send the completed logbook to uninsured United Parachute Technologies, LLC, at that time a Sigma and/or Vector Tandem Instructor Rating will be issued. Other uninsured United Parachute Technologies, LLC publications that contain important information on the training program must be read by the applicant.

## **Passenger Briefing:**

**All passengers - student or experienced - must be at least 18 years old and have completed an uninsured United Parachute Technologies, LLC Assumption of Risk Agreement after viewing the Tandem Vector / Sigma Waiver Video.**

Experienced passengers who accompany tandem instructor applicants shall be briefed by the tandem instructor before jumping. This briefing shall include:

1. Emergency exits
2. The tandem instructor applicant shall signal the passenger that he or she has deployed the drogue by giving a "thumbs up" sign with the right hand. If failing to do so, the passenger shall deploy the drogue by 6000 ft
3. If the drogue has not been released by 4000 ft., the passenger should release it and thus deploy the main canopy
4. If the main canopy is not deployed by 2500 ft., the passenger should make every effort to deploy the reserve

This briefing shall include practicing of the above procedures on the ground while completely geared up. The use of "Passenger Emergency Handles" is recommended during training jumps.

## **Section A: Initial (5) Training Jumps**

The uninsured United Parachute Technologies, LLC Tandem Instructor Training Course consists of at least five jumps completed under the direct supervision of a qualified UPT Tandem Instructor Examiner. The first two jumps are familiarization jumps, the final three are proficiency jumps.

### **Training Jump 1 (Solo) Procedure:**

1. Exit above 7500 ft. AGL
2. Deploy drogue within 5 seconds after exit
3. While maintaining a heading, make three practice drogue release pulls and one practice reserve ripcord pull (To make a satisfactory practice pull, touch each handle, but take care not to remove it from its Velcro pocket.)
4. Spend any remaining time practicing turns

## **Training Jump 2 (Applicant as Passenger) Procedure:**

(Tandem instructor must be an examiner or a current tandem instructor)

1. Stable exit from above 7500 ft
2. Drogue deployment within 5 seconds after exit
3. Drogue release handle is pulled by 5500 ft

**Note:** Training jump 1 or 2 can be made in any order

## **Jumps 3-5 are proficiency jumps.**

Applicant acts as tandem instructor while carrying an experienced jumper up front. This passenger must have at least 100 jumps and have been briefed in the operation of the Sigma Tandem or Tandem Vector by the examiner. (See correct passenger briefing procedure on page 2.)

## **Training Jump 3 Procedure:**

1. Stable exit from above 7500 ft
2. Deploy drogue within 5 seconds after exit
3. While maintaining a heading, perform three practice drogue release pulls and one practice reserve ripcord pull
4. Pull drogue release handle by 5500 ft
5. Perform a good landing

**Note:** On either training jump, 4 or 5, the passenger must be a current tandem examiner or instructor

## **Training Jump 4 Procedure:**

1. Stable exit from above 10,500 ft
2. Stable drogue deployment within 5 seconds after exit
3. Perform at least two alternate 360-degree turns and demonstrate heading control
4. While maintaining a heading, perform three practice drogue release pulls and one practice reserve ripcord pull
5. Pull drogue release handle by 5500 ft
6. Perform a stand up landing (wind permitting) within 50 meters of the target

## **Training Jump 5 Procedure:**

1. Unstable exit from above 10,500 ft. Must regain control within 10 seconds
2. Stable free fall to 7500 ft. Perform at least two alternate 360 degree turns and demonstrate heading control
3. Stable drogue deployment at 7500 ft
4. While maintaining a heading, perform one practice drogue release pull and one practice reserve ripcord pull
5. Pull drogue release handle by 5500 ft
6. Perform a stand up landing (wind permitting) within 50 meters of the target. Some of the above jumps may be repeated until the applicant meets the performance goals as determined by the examiner. Log only the initial training jumps in the spaces below. Three extra spaces are available if needed.

(If the applicant is unable to achieve satisfactory performance within eight jumps, the candidate may not continue with training and may not apply before making an additional 100 skydives.)

| Jump                  | Date | Location | A/C | Altitude | Delay | Distance | Passenger/Weight |
|-----------------------|------|----------|-----|----------|-------|----------|------------------|
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |

## Initial Endorsement by UPT Tandem Instructor Examiner

I hereby certify that the above mentioned applicant has fulfilled all requirements of the uninsured United Parachute Technologies, LLC Tandem Instructor Training Course.

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Date

Printed Name of UPT Examiner

Signature

## Initial Instructor Candidate Certification

I hereby certify that I have been properly trained on the standard and emergency operating procedures of the uninsured United Parachute Technologies, LLC Vector/Sigma Tandem systems. I understand that any failure to comply with these standard operating procedures is grounds for the forfeiture of my manufacturer and/or national federation tandem rating.

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Date

Printed Name of Instructor Candidate

Signature

**This logbook serves as a temporary certificate until the (10) jump training program is completed. At that point, submit this logbook to receive a Sigma Tandem and / or Vector Tandem Instructor Rating Card.**

**Section B: Requirements for five (5) post course tandem familiarization training jumps with experienced skydivers (Training jumps 6-10):**

1. Minimum Exit Altitude: 9,000ft AGL
2. Minimum Open Canopy Altitude: 4,500ft AGL
3. No relative work
4. An experienced videographer may accompany the tandem pair, providing he or she meets the UPT minimum requirements for tandem videographers
5. The passenger must be an experienced jumper (100 jumps minimum) who has been properly briefed on the correct response to tandem emergencies (See correct passenger briefing procedure on page 2.)
6. Passenger must perform as instructed for exit, free fall, droguefall, deployment, canopy descent and landing
7. Passenger signs logbook only when he is satisfied with the tandem instructors performance

The spaces below are for Section B jumps.

| Jump                  | Date | Location | A/C | Altitude | Delay | Distance | Passenger/Weight |
|-----------------------|------|----------|-----|----------|-------|----------|------------------|
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |

| Jump                  | Date | Location | A/C | Altitude | Delay | Distance | Passenger/Weight |
|-----------------------|------|----------|-----|----------|-------|----------|------------------|
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |

| Jump                  | Date | Location | A/C | Altitude | Delay | Distance | Passenger/Weight |
|-----------------------|------|----------|-----|----------|-------|----------|------------------|
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |

| Jump                  | Date | Location | A/C | Altitude | Delay | Distance | Passenger/Weight |
|-----------------------|------|----------|-----|----------|-------|----------|------------------|
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |

| Jump                  | Date | Location | A/C | Altitude | Delay | Distance | Passenger/Weight |
|-----------------------|------|----------|-----|----------|-------|----------|------------------|
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |

| Jump                  | Date | Location | A/C | Altitude | Delay | Distance | Passenger/Weight |
|-----------------------|------|----------|-----|----------|-------|----------|------------------|
|                       |      |          |     |          |       |          |                  |
| Comments & Signature: |      |          |     |          |       |          |                  |

## Final Certification

**Upon completion of the above series of jumps (a minimum total of 10), the applicant:**

1. Obtains the signature endorsement of the Sigma Tandem/Tandem Vector owner or examiner or, if the applicant is a Sigma Tandem/Tandem Vector owner, he or she then submits a video tape of at least three of the preceding 10 probationary jumps to uninsured United Parachute Technologies, LLC.

### **Final Endorsement by a UPT Tandem Examiner or Tandem System Owner**

I hereby certify that the above mentioned applicant has fulfilled uninsured United Parachute Technologies, LLC Tandem Instructor Training Program.

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|      |                                    |                                 |
|------|------------------------------------|---------------------------------|
| Date | Printed Name of UPT Owner/Examiner | Signature of UPT Owner/Examiner |
|------|------------------------------------|---------------------------------|

2. Send the original copy of this logbook and the license fee of \$50.00 to uninsured United Parachute Technologies, LLC which will then issue a Sigma Tandem and/or Vector Tandem Instructor Rating.

## **Send the Tandem Instructor Rating Form to uninsured United Parachute Technologies, LLC NOW**

## Refresher Training Jumps

If at any time while making the training and probationary series, 30 days without a tandem jump, the applicant must make a solo jump followed by a tandem jump carrying an experienced passenger who has been briefed in responding to tandem emergencies. This log contains extra spaces for logging refresher jumps. Staying current is one of a tandem instructor's most important responsibilities. For currency requirements after the probationary period, refer to the Tandem Recertification Form, available from United Parachute Technologies.

## Probationary Period

An applicant is on probation until he has completed 25 jumps, 15 of which are made after the initial training course and familiarization tandem skydives. The probationary requirements for these 15 jumps are found here in Section C:

### **Section C: Requirements for next fifteen (11-25) post course probationary jumps:**

1. Minimum Exit Altitude: 9,000ft AGL
2. Minimum Open Main Canopy Altitude: 4,500ft AGL
3. The passenger should be of similar or lesser size than the tandem instructor
4. Maximum body weight for passenger is 200lbs
5. Maximum height for passenger is 6'0" tall
6. No relative work
7. An experienced videographer may accompany the tandem pair, providing he can exit the aircraft and skydive without interfering with the tandem
8. The passenger may be a first-time student
9. Candidate must log these 15 jumps in a personal logbook, signed by a witnessing licensed skydiver or SIGMA / VECTOR owner

## TRAINING PROGRAM APPENDIX

### **The Minimum Requirements for performing Handcam tandems:**

Because of the potential for distraction and the added complexity during hookup and exit the following are the minimum recommendations for instructors who wish to use a handcam setup.

1. An absolute minimum of 200 post-probation tandem skydives
2. Currency (the first jump back after a seasonal layoff should NOT be a handcam jump)
3. The TI should demonstrate emergency procedures with the handcam with a student attached and full gear on the ground or in a hanging harness
4. Before taking a student the instructor should make 2 solo jumps on sport gear with the camera to feel how it affects flying and to be comfortable with the operation of the camera
5. 1 jump on tandem gear with an experienced (C licensed) skydiver or examiner in the student position

### **Prohibited Uses Of The uninsured United Parachute Technologies, LLC Vector/Sigma Tandem Systems:**

There are currently a number of tandem skydives that are already prohibited by uninsured United Parachute Technologies, LLC on either the Vector or Sigma tandem system. These prohibited tandem jumps include:

- Night Tandem Jumps
- Stadium Tandem Jumps
- Tandem Jumps using Go Pole or similar pole type hand cam devices
- Tandem Jumps made with the Tandem Instructor or Tandem Examiner placed in the student passenger position outside of the scope of tandem instructor certification or re currency training.
- Jumping with a tandem passenger less than 18 years of age (US only)
- Jumping with a tandem passenger that has not reached the age of legal majority within the state that the jump is being made. (US only)
- Intentional Water Landing Tandem Jump
- Tandem jumps where either the tandem instructor or tandem student (or both) are wearing any form of wingsuit
- Performing any intentional cutaway procedures using a third canopy attached to the tandem pair or via a secondary harness
- Attaching two tandem passengers to a single tandem instructor system, otherwise referred to as a "triple tandem"
- Making a tandem jump with any form of pyro aerial flame device
- Wearing any helmet mounted cameras
- Performing "no-drogue out" angle flying, commonly referred to as Tandem Autmonauti
- Performing "drogue out" angle flying, commonly referred to as Tandem Autmonauti
- Performing Tandem Canopy Relative Work (CReW)
- Backflips out of a side door aircraft or backing out of a side door aircraft

**For a complete list of prohibited uses of the Sigma / Vector tandem system, please consult the operating manual.**

## Standard Operating Procedures:

- Minimum Exit Altitude: 7,500ft AGL
- Minimum Open Main Parachute Altitude: 4,000ft
- Drogue deployment will occur within 3-8 seconds if stable
- Exits will be stable into the relative wind
- Handles Checks will be performed on each jump, to include drogue inspection
- 25 jump inspection procedures will be followed
- UPT written waiver and video waiver will be completed and viewed by every passenger
- Turns to Final on landing will be less than or equal to 90 Degrees:
- Minimum Breakaway Altitude is 3,000ft AGL
- Tandem Canopies Will Maintain 100ft minimum horizontal separation
- Tandem Instructors will physically escort each passenger to the aircraft
- Tandem Passenger Harness will be secured in jumpable configuration before boarding aircraft
- Tandem RW must cease by 6,500ft AGL
- After post canopy deployment adjustment of side connectors, they will be reattached to the Instructor harness side D-rings

## Final Instructor Candidate Certification

I certify that:

- I have read the entire Vector/Sigma manual
- I have completed the Vector/Sigma test to a score of 100%
- I have reviewed and am thoroughly knowledgeable regarding the standard and emergency operating procedures of the Vector/Sigma tandem systems
- I agree to use the Vector/Sigma tandem systems only in the manner prescribed by uninsured United Parachute Technologies, LLC
- I agree to surrender my manufacturer and/or national federation tandem rating if I am found to have violated any of the prescribed operating procedures
- I agree to review standard and emergency procedures on a monthly basis

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Date

Printed Name of UPT Instructor Candidate

Signature

**KEEP A COPY OF THIS SIGNED AND COMPLETED LOGBOOK FOR YOUR RECORDS. IT WILL SERVE AS YOUR RATING CONFIRMATION FOR A PERIOD OF 90 DAYS FROM THE ABOVE SIGNATURE DATE. IF YOU DO NOT RECEIVE A RATING CARD WITHIN 90 DAYS, YOUR RATING IS NO LONGER VALID. SEND THE ORIGINAL LOGBOOK TO UNINSURED UNITED PARACHUTE TECHNOLOGIES, LLC.**