



OFFICE USE ONLY

ID #: \_\_\_\_\_

PAID: \_\_\_\_\_

Process: \_\_\_\_\_



## Tandem Instructor Training Logbook

### Applicant Qualifications

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

1. Must have / have had been issued a USPA Instructor Rating or international equivalent or have completed and passed a USPA Coach course / USPA Coach Modules online or international equivalent
2. Logged at least 500 ram-air jumps and accumulated at least 6 hours of freefall time
3. Completed at least 50 jumps within the last year
4. Minimum of 3 years of skydiving experience, defined as 3 years from first jump
5. Must possess a valid and recognized medical certificate
6. Must possess a valid USPA D-license (expert) or international equivalent
7. Be at least 18 years of age

### Applicant Data

**This box must be filled in by computer**

Full Legal Name \_\_\_\_\_ Age \_\_\_\_\_  
*First Last*

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

Email \_\_\_\_\_

Phone \_\_\_\_\_ Date of First Jump \_\_\_\_\_ Number of Jumps \_\_\_\_\_

Instructional Rating(s) *(please attach copy)* \_\_\_\_\_  Current  Expired

USPA D-License/Equivalent *(please attach copy)* \_\_\_\_\_ Membership # \_\_\_\_\_

Home Drop Zone \_\_\_\_\_

**This logbook serves as a temporary certificate until 10 jump training program is completed.**

# 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 at least 25 jumps. The first 10 are training jumps and the next 15 are probationary jumps.

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 examiner should submit 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 7,000 ft / 2,100 m
3. If the drogue has not been released by 5,000 ft / 1,600 m, the passenger should release it and thus deploy the main canopy
4. If the main canopy is not deployed by 3,500 ft / 1,100 m, 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 / Examiner Safety Handles” are recommended during training jumps.

## 10 Training Jumps

The uninsured United Parachute Technologies, LLC Tandem Instructor Training Course consists of at least 10 jumps completed under the direct supervision of a qualified and current UPT Tandem Examiner. The first two jumps are familiarization jumps and jumps 3 - 10 are proficiency jumps. Maximum of 15 jumps are allowed throughout the course.

### Training Jump 1 or 2: Solo Procedure

1. Minimum Exit Altitude: 7,500 ft / 2,300 m AGL
2. Set drogue within 5 – 8 seconds after exit and perform a full system handles check
3. While maintaining a heading, make 3 practice drogue release pulls and 1 practice reserve ripcord pull (To make a satisfactory practice pull, touch each handle and simulate pulling, but take care not to remove it from its Velcro pocket.)
4. Pull drogue release handle by 5,500 ft / 1,700 m

### Training Jump 1 or 2: Applicant as Student Passenger Procedure

(Tandem instructor must be a current examiner, evaluator, or tandem instructor)

1. Stable exit from above 7,500 ft / 2,300 m
2. Set drogue within 5 – 8 seconds after exit and perform a full system handles check
3. Pull drogue release handle by 5,500 ft / 1,700 m

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

## **Jumps 3 – 10 are proficiency jumps**

Applicant acts as the tandem instructor with a tandem instructor or course candidate is on the front. This passenger must 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 7,500 ft / 2,300 m
2. Set drogue within 5 – 8 seconds after exit and perform a full system handles check
3. While maintaining a heading, perform 3 practice drogue release pulls and 1 practice reserve ripcord pull
4. Pull drogue release handle by 5,500 ft / 1,700 m
5. Perform a safe landing within 300 ft / 100 m of the specified target

### **Training Jump 4 Procedure**

1. Stable exit from above 7,500 ft / 2,300 m
2. Set drogue within 5 – 8 seconds after exit and perform a full system handles check
3. Perform at least 2 alternate 360° turns to demonstrate heading control
4. While maintaining a heading, perform 3 practice drogue release pulls and 1 practice reserve ripcord pull
5. Pull drogue release handle by 5,500 ft / 1,700 m
6. Perform a safe landing within 150 ft / 50 m of the specified target

### **Training Jump 5: Tandem Terminal 1 Procedure**

(The student passenger must be a current tandem examiner, evaluator, or instructor)

1. Stable exit from above 10,500 ft / 3,200 m and perform a full system handles check
2. Stable free fall for at least 2,000 ft / 600 m but no lower than 7,500 ft / 2,300 m.
3. Perform at least 2 alternate 360° turns to demonstrate heading control
4. Stable drogue deployment by 7,500 ft / 2,300 m and perform a full system handles check
5. Pull drogue release handle by 5,500 ft / 1,700 m
6. Perform a safe landing within 150 ft / 50 m of the specified target

### **Training Jump 6: Tandem Terminal 2 Procedure**

(The student passenger must be a current tandem examiner, evaluator, or instructor)

1. Unstable exit from above 10,500 ft / 3,200 m and must regain control within 10 seconds
2. Perform a full system handles check
3. Stable free fall for at least 3,000 ft / 900 m but no lower than 7,500 ft / 2,300 m
4. Perform at least 2 alternate 360° turns to demonstrate heading control
5. Stable drogue deployment by 7,500 ft / 2,300 m and perform a full system handles check
6. Pull drogue release handle by 5,500 ft / 1,700 m
7. Perform a safe landing within 150 ft / 50 m of the specified target

## Training Jump 7: USPA Category A Procedure

(In addition to a current examiner, evaluator or instructor, the student passenger may be an experienced instructor who holds or has held a Coach Rating. If not pursuing a USPA Tandem Instructor Rating, the student passenger may be an experienced jumper with a minimum of 100 jumps.)

1. Stable exit from above 10,500 ft / 3,200 m
2. Set drogue within 5 – 8 seconds after exit and perform a full system handles check
3. Perform a USPA Category A jump
4. Pull drogue release by 5,500 ft / 1,700 m
5. Perform a safe landing within 150 ft / 50 m of the specified target

## Training Jump 8: USPA Category B Procedure

(In addition to a current examiner, evaluator or instructor, the student passenger may be an experienced instructor who holds or has held a Coach Rating. If not pursuing a USPA Tandem Instructor Rating, the student passenger may be an experienced jumper with a minimum of 100 jumps.)

1. Stable exit from above 10,500 ft / 3,200 m
2. Set drogue within 5 – 8 seconds after exit and perform a full system handles check
3. Perform a USPA Category B jump
4. Pull drogue release by 5,500 ft / 1,700 m
5. Perform a safe landing within 150 ft / 50 m of the specified target

Candidates who are not pursuing a USPA Tandem Instructor Rating will use training jumps 7 and 8 as continuation training jumps. The student passenger must:

- At least be an experienced jumper (minimum 100 jumps) and must receive a proper briefing on tandem emergency procedures (See Page 2 of the Sigma Tandem Instructor Training Logbook for correct briefing procedures)
- Follow instructions for exit, freefall, drogue fall, deployment, canopy descent, and landing as briefed by the examiner

## Training Jump 9: Simulated Emergency Exit

Prior to the hook-up procedure, the candidate will be informed that an aircraft emergency has occurred and that the pilot has directed everyone to exit the aircraft. At this time, all 4 connectors must be attached. In the door, proceed with normal procedures of pre-exit checks.

1. Minimum exit altitude: 7,500 ft / 2,300 m
2. Stable exit
3. Set drogue
4. Check drogue
5. Drogue release

Should the candidate be unable to conduct this jump due to dropzone airspace conflicts, the candidate will shall perform a stable exit, set drogue and check drogue as part of an emergency simulation. The candidate will not pull drogue release. Instead, the candidate will simulate pulling drogue release and continue as briefed by the examiner.

## Training Jump 10: Good Student Example

This proficiency jump provides the candidate with the opportunity to conduct a standard tandem jump with a cooperative student passenger prior to performing jumps with first-time students.

1. Exit at 10,500 ft / 3,200 m or higher
2. Set drogue within 5 – 8 seconds after exit
3. Perform a full system handles check
4. Pull drogue release handle by 5,500 ft / 1,700 m
5. Perform a safe landing within 150 ft / 50 m of the specified target

Some of the above jumps may be repeated until the applicant meets the performance goals as determined by the examiner. Five extra spaces are available if needed. If the applicant is unable to achieve satisfactory performance within 15 jumps the examiner must fill out Refusal / Dismissal Form and submit to UPT. The candidate may not continue with training and may not participate in another course without making an additional 100 sport skydives.

## Refresher Training Jumps

If at any time during the training or probationary series there is a lapse of 30 days without a tandem jump, the applicant must complete a two-jump refresher sequence. The **first jump must be a solo skydive**. The **second jump must be a standard tandem skydive with a current Tandem Examiner or Tandem Instructor acting as an evaluator**. This jump must include a stable exit, stable freefall, drogue deployment, complete system check, heading maintenance, on-time drogue release, deployment resulting in a fully open main canopy by 4,500 ft / 1,400 m, and a safe landing within 150 ft / 50 m of the specified target. The next jump can be the continuation of the UPT TI course. This logbook includes a dedicated space for recording refresher jumps. Staying current is one of a tandem instructor's most important responsibilities. For currency requirements after the probationary period, refer to the UPT Sigma Operations Manual.

Jump	Date	Location	A/C	Altitude	Distance	Pass Wt.
Examiner Comments & Signature:						
Name of Passenger:						

Jump	Date	Location	A/C	Altitude	Distance	Pass Wt.
Examiner Comments & Signature:						
Name of Passenger:						

Jump	Date	Location	A/C	Altitude	Distance	Pass Wt.
Examiner Comments & Signature:						
Name of Passenger:						

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Examiner Comments & Signature:						
Name of Passenger:						

Jump	Date	Location	A/C	Altitude	Distance	Pass Wt.
Examiner Comments & Signature:						
Name of Passenger:						

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Examiner Comments & Signature:						
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Examiner Comments & Signature:						
Name of Passenger:						

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Examiner Comments & Signature:						
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Examiner Comments & Signature:						
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Jump	Date	Location	A/C	Altitude	Distance	Pass Wt.
Examiner Comments & Signature:						
Name of Passenger:						

## The Minimum Requirements for performing Handcam tandems:

Due to 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. Minimum 200 tandem skydives as the Tandem Instructor
  - a. Alternatively, tandem instructors with a minimum of 100 tandem skydives may use a HandCam if they have successfully completed the USPA HandCam Training Program
  - b. International tandem instructors may also use a HandCam under the approved USPA HandCam Training Program, provided it is approved by their governing body
  - c. Non USPA members can create a USPA profile and pay for the HandCam Training Program to receive a certification
2. First tandem skydive made after a seasonal layoff as a tandem instructor should not be made with a HandCam
3. Tandem instructor should demonstrate and practice on the ground EP's with a mock student attached and full gear donned
4. Before taking a student with a HandCam, the TI should make 2 jumps with a current TI
5. The TI must still perform handles check
6. In the event of an entanglement with a HandCam system, the HandCam shall be jettisoned by 3,500 ft / 1000 m
7. Use of helmet mounted cameras, telescopic poles or any fixed camera pole is forbidden
8. Before using a handcam, the TI must fill out the Annual Sigma Hand Cam Safety Checklist and submit it to UPT

## Prohibited Use of the Uninsured United Parachute Technologies, LLC Vector/Sigma Tandem System:

There are currently a number of tandem skydives that are 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 HandCam 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 currency training.
- Jumping with a tandem student passenger less than 18 years of age (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 to include smoke
- 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 (CRW)
- Multiple Backflips out of a side door aircraft or backing out of a side door aircraft

- Extraordinary tandem skydives including stunt / video production tandems, BASE and demonstration jumps that do not fit into Section 6 of the Sigma Tandem Operations Manual
- The use of the Sigma Tandem System outside of official sunrise and official sunset, and outside the altitude range from surface up to 18,000 feet MSL.
- Any “experimental” operations – including but not limited to high altitude jumps, wingsuit use, test and evaluation activities, night jumps or intentional water landings – require prior written authorization from United Parachute Technologies (UPT).

### Standard Operating Procedures:

- Minimum Exit Altitude: 7,500 ft / 2,300 m AGL
- Minimum Open (fully operational) Main Parachute Altitude: 4,000 ft / 1,200 m
- Drogue deployment will occur within 5 – 8 seconds, if stable
- Exits will be stable into the relative wind
- Handles Checks will be performed on each jump, to include a visual drogue inspection
- 25 jump inspection procedures will be followed
- UPT video waiver and written waiver will be viewed and completed by every passenger
- Turns to final on landing will be less than or equal to 90°
- Minimum Decision Altitude is 3,000 ft / 1,000 m AGL
- Tandem canopies will maintain 100 ft / 30 m 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 6,500 ft / 2,000 m AGL
- Post canopy deployment adjustment of side connectors will be reattached to the instructor harness D-ring

**NOTE:** Use of this equipment outside of the United States should be in accordance with the controlling body for parachuting and skydiving in the country in which the equipment will be used and operated.

After the 10 evaluation jumps are successfully completed, the following must be completed and sent to UPT:

- Tandem Instructor Training Logbook, signed
- Waiver (uninsured United Parachute Technologies, LLC Tandem Parachute Jumper Agreement), signed
- Sigma Tandem Examination completed to 100% and signed with statement completed by candidate
- USPA Membership or Foreign Equivalent with proof of D-license and Instructional Ratings
- Current and approved Medical Certificate
- \$50 fee for digital certification or \$65 for digital certification and physical card
- Paperwork scanned to PDF (not JPEG) or submitted via Online Course Portal (OCP)

### ANNUAL RENEWAL PROCEDURES

It is highly recommended to renew the Sigma Tandem Instructor Ratings annually. To apply for renewal, **you must have made at least 25 tandem jumps within the preceding 365 days.** Currency compliance information can be found in Section 2 of the Sigma Tandem Operations Manual.

## Probation Period

An applicant is on probation until they have completed 25 jumps, 10 of which are made in the training course. The probationary requirements for these 15 jumps are found below:

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

1. Minimum Exit Altitude: 9,000 ft / 2,700 m
2. Minimum Open Main Canopy Altitude: 4,500 ft / 1,400 m
3. Student Size Restrictions:
  - a. Student passenger should be of similar or lesser size than the Tandem Instructor
  - b. Student passenger's weight must not exceed 110% of the Tandem Instructor's body weight
  - c. Maximum weight: 200 lbs / 90 kg, regardless of the 110% limit
  - d. Maximum height: 6'0" / 182 cm
4. An experienced videographer may accompany the tandem pair, providing they can exit the aircraft and skydive without interfering with the tandem
5. The student may be a first-time student
6. Candidate must log these 15 jumps in a personal logbook, signed by a witnessing licensed skydiver

**NOTE:** If the tandem candidate has completed more than the required 10 evaluation jumps, they are still required to complete a total of 15 post-course probationary jumps. As a newly qualified tandem instructor within the 15-jumps post-course probationary period, the following applies:

- If the instructor exceeds the 30-day currency limitation, they must complete the required currency training as outlined above prior to conducting further tandem jumps.
- Any jumps conducted for the purpose of regaining currency do not count toward the 15 post-course probationary jumps.

## 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 or Tandem Vector examiner.
2. Submit the original copy of this logbook to uninsured United Parachute Technologies, LLC which will then issue a payment link in order to receive their Sigma Tandem and / or Vector Tandem Instructor Rating.

## Final Endorsement by a UPT Tandem Examiner

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

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*Date (MM/DD/YYYY)*

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*Print Name of UPT Examiner*

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*Signature*

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*Date (MM/DD/YYYY)*

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*Print Name of UPT Candidate*

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*Signature*