

Towing Device Information Requirements

You must supply detailed information about each physical tow device you use in your school operations.

Because of the variety of towing equipment, an understanding of your tow devices and how they are used is most efficiently achieved by a review of pictures and videos. For the requested videos, it is important to capture a viewpoint, typically a quartering side view, where an assessment of the tow forces, and the glider response to those tow forces, can be made during as much of the tow as possible and particularly the launch.

The media files should be named to help identify what they pertain to, such as StaticWinch#1xxxx, Pilot#1xxx, AerotowPlane#1xxxx, etc... ,where "#1" refers to the Tow Device Number.

Towing Operation Type

Indicate the type and number of Tow Devices you use in your school:

Number	Tow Device Type
_____	Aerotow
_____	Static Winch
_____	Payout Winch (Auto/trailer mounted)
_____	Payout Winch (Boat mounted)

Instructions:

For each Tow Device that you use in your school, please provide the required information by filling out a copy of the applicable Tow Device Information Sheet. All sheets and media files should be uploaded to PASA's dropbox for Tow Device Information, located at:

<https://dropbox.com/request/U4jLRRq6r1Rk43qyPngj8>

On the dropbox Upload Form, list:

First Name:	your school name
Last Name:	your last name
Email Address:	your school email

Aerotow Device Information Sheet

- Aircraft
 - Model _____
 - Pictures of Aircraft (at least 3)
 - Copy of applicable legal paperwork (i.e registration, airworthiness, etc.)
 - Copy of Pre-flight checklist
 - Copy of maintenance logs
 - Brief description and pictures of weak link, tow release and tow bridle
 - Brief description and pictures of tow line (including length)
- Pilot
 - List of all Towing Pilots
 - Copy of applicable pilot certifications (i.e. FAA pilot license, medical certificate) for all towing pilots
- Launch equipment
 - Brief description and pictures of tow dolly to include angle of attack adjustment and cart-to-glider hold down system
 - Copy of pre-launch checklist
- Hang Gliding Equipment
 - Brief description and pictures of tandem glider system to include
 - Wheel systems
 - Tow bridle, attachment points and all release mechanisms
 - Harness(s)
 - Accessory equipment mounted (i.e. cameras, varios)
 - Brief description and pictures of school's solo glider system (if applicable)
 - Wheel systems
 - Tow bridle, attachment points and all release mechanisms
 - Harness(s)
- Procedures
 - Copy of aerotow training syllabus
- Video of typical Instructional Launch, both solo and tandem

Static Winch Device Information

- Winch
 - Manufacturer _____
 - Model: _____
 - Serial Number or other unique identifier: _____
- System used for (check all applicable)
 - Hang gliding solo tandem
 - Paragliding solo tandem
- Brief description and pictures of winch system (not all may be applicable to your system)
 - Basic type (i.e. 50 cc scooter, gas powered hydraulic)
 - Clutching mechanism (i.e. centrifugal clutch, automatic transmission, hydraulic)
 - Fairlead and level wind systems
 - Tow line tension monitoring system
 - Range of operational tow forces and speeds (i.e. 0-200 lbf at 0-35MPH)
 - Method of tow force regulation (i.e. exclusively hand throttle, hand throttle and adjustable hydraulic bypass set point)
 - Tow line, including length
 - Tow line severing capability (i.e. hook knife)
 - Turnaround pulley and anchoring method
 - Maintenance schedule
 - Pre-tow checklist
- Brief description and pictures of student pilot systems for each modality (PG/HG/Tandem/Solo)
 - Tow bridle and releases
 - School wings
 - School harnesses
- Brief description and pictures of launch equipment as applicable
 - Tow dolly to include angle of attack adjustment and cart-to-glider hold down system
 - Copy of pre-launch checklist
- Procedures
 - Copy of training syllabus (HG and /or PG specific)
 - Copy of towing procedures to include how the requirements of USHPA SOP 12-10.04.B.2 are met
- List of each tow winch operator
 - Copies of the applicable certifications of each winch operator
- Video of typical instructional tows for all modalities (PG/HG/Tandem/Solo)

Payout Winch (Auto/trailer mounted) Device Information

- Winch
 - Manufacturer _____
 - Model: _____
 - Serial Number or other unique identifier: _____
- Auto/Truck/Trailer
 - Mfr/Model/Yr _____
- Copy of Auto Insurance Declarations page
- System used for (check all applicable)
 - Hang gliding solo tandem
 - Paragliding solo tandem
- Brief description and pictures of winch system (not all may be applicable to your system)
 - Basic type (i.e. friction brake, hydraulic)
 - Line tension regulation mechanisms (i.e. remote pressure control valve, hydraulic bypass valve)
 - Fairlead and level wind systems
 - Tow line tension monitoring system
 - Range of operational tow forces and speeds (i.e. 0-200 lbf at 0-35MPH)
 - Tow line, including length
 - Tow line severing capability (i.e. hook knife)
 - Maintenance schedule
 - Pre-tow checklist
- Brief description and/or pictures of student pilot systems for each modality (PG/HG/Tandem/Solo)
 - Tow bridle and releases
 - School wings
 - School harnesses
- Brief description and pictures of launch equipment as applicable
 - Glider staging and launch release
 - Copy of pre-launch checklist
- Procedures
 - Copy of training syllabus (HG or PG specific)
 - Copy of towing procedures to include how the requirements of USHPA SOP 12-10.04.B.2 are met
- List of each tow winch operator
 - Copies of the applicable certifications of each winch operator
- Video of typical instructional tows for all modalities (PG/HG/Tandem/Solo)

Payout Winch (Boat mounted) Device Information

- Winch
 - Manufacturer _____
 - Model: _____
 - Serial Number or other unique identifier: _____
- Boat
 - Mfr/Model/Yr _____
 - Copy of Boat Insurance Declarations page
- System used for (check all applicable)
 - Hang gliding solo tandem
 - Paragliding solo tandem
- Brief description and pictures of winch system (not all may be applicable to your system)
 - Basic type (i.e. friction brake, hydraulic)
 - Line tension regulation mechanisms (i.e. remote pressure control valve, hydraulic bypass valve)
 - Fairlead and level wind systems
 - Tow line tension monitoring system
 - Range of operational tow forces and speeds (i.e. 0-200 lbf at 0-35MPH)
 - Tow line, including length
 - Tow line severing capability (i.e. hook knife)
 - Maintenance schedule
 - Pre-tow checklist
- Brief description and pictures of student pilot systems for each modality (PG/HG/Tandem/Solo)
 - Tow bridle and releases
 - School wings
 - School harnesses
- Brief description and pictures of launch equipment as applicable
 - Glider staging and launch release
 - Copy of pre-launch checklist
- Procedures
 - Copy of training syllabus (HG and /or PG specific)
 - Copy of towing procedures to include how the requirements of USHPA SOP 12-10.04.B.2 are met
- List of each tow winch operator
 - Copies of the applicable certifications of each winch operator
- Video of typical instructional tows for all modalities (PG/HG/Tandem/Solo)