

Pan Am Region - End Course Boat Path / Video Requirements

(Updated Feb. 2021)

Rule 8.15 provides for use of Boat Path Monitoring System (BPMS) or alternatively use of End Course Video to monitor compliance with slalom boat path rules.

IWWF Rules require BPMS or end course video to be recorded for all passes 11.25m and shorter and submitted to the PanAm Confederation Council.

All passes at 11.25 and shorter are subject to review the by Council. Any passes that do not conform to boat path deviation requirements will be removed from IWWF standings lists. The Council may cancel or modify results that do not conform to rules (1.09) (8.01) and (8.15).

BOAT PATH MONITORING SYSTEM - BPMS

BPMS slalom path data that is captured in real time and transmitted directly (rover to WaterSkiConnect) along with WSTIMS or LION scoring data (driver's name, skier's name, score and timing data) will meet the requirements of data submittal required in this policy. There is no additional need to upload end course video. The Local Tournament Organizer must retain all end course video for one year from the date of the event. Note: GPS-RTK rover data uses a proprietary data format which cannot be modified by the user and is sent securely to the IWWF WaterSkiConnect server data base.

END COURSE VIDEO

End-course video shall be recorded for the slalom event for all passes 11.25m and shorter. A rigidly mounted video camera shall be operated from a point on the centerline on at least one end of the slalom course, adjusted to show all entry gates and boat guides in clear focus, and equipped with optical magnification of sufficient power to display **the far entrance/exit gates occupying at least 20% (1/5th) of the full width of the screen (1/3 width or larger is recommended). Near pre-gates are not required. The top of the pylon must be visible from entrance to exit gates.**

All video files required by Rule 8.15 are to be uploaded to the appropriate DropBox link below – as soon as possible – no later than 7 days after the event.

AT THE TOURNAMENT –

1. **Magnification** – Ensure that you have sufficient camera lens magnification to meet the width requirement. Records may be rejected that do not meet the magnification requirement.
2. **Focus** – If it is difficult to achieve perfect focus on the entire course you should ensure that the far gates are in focus. (Do not use Auto-Focus).
3. **DVR** - All recorded video should have a minimum resolution of NTSC:704x480 – 30 frames per second or PAL:704x576 at 25 frames per second. Ensure that the embedded clock displays the correct date and time.
4. **Scoring Program** – check that the scoring computer has the correct date and time. If scoring is done manually and later entered in the scoring program, then manually record the start time for each skier during the event. Ask the scorer to create a Slalom Pass Detail Report (or equivalent) from the scoring program after the tournament is complete.

AFTER THE TOURNAMENT

All video files required by Rule 8.15 are to be uploaded to the appropriate DropBox link below. Tournament scores will not be included on any ranking list until the video files have been received.

Uploading the files - We appreciate that uploading large video files can be an issue depending on internet speed. Several approaches are acceptable.

1. The entire tournament may be uploaded. It is suggested to split the file in smaller blocks - approx. 500MB recommended.
2. Individual sections of the tournament can be uploaded, with performances at 11.25 and shorter for women, and 10.75m and shorter for men. Obviously, this requires additional time for technical staff.
3. In each case, you must upload the Slalom Pass Detail Report (or equivalent) from the scoring program that shows skier order, scores and time of skier's performance.

The file name format should include the tournament code/sanction number:

For Example:

File Name (Tournament Code/Sanction number and sequence # (1,2,3,etc)
20PER003-1.avi 20PER003-2.avi .

It is required that the video have an embedded clock showing actual time and date. The file type should be .avi, however, .mp4 is acceptable.

In addition, a data file/spreadsheet must be submitted which includes Date, Time, Round, Event, and Driver for each event:

i.e. File 20PER003-1.txt

2020-04-14,13:00,1,Boys3,John Doe, Nautique

2020-04-14,14:10,1,Girls3,Adam Jones, Mastercraft

Each scoring system will generate a data file which exceeds these requirements with the details of each pass.

The appropriate link for uploading files can be found at:

Pan Am Region (other than USA):

<https://www.dropbox.com/request/SpaXkgGqe9ynLclJuRgo>

USA / AWSA (other than West):

<https://www.dropbox.com/request/0Op79PEM3Q9zqErt5W82>

USA / AWSA (West only):

<https://www.dropbox.com/request/kspVkuZjm5GYYjyxpLeO>