



HUSB - Hrvatsko udruženje studenata brodogradnje
Croatian Association of Naval Architecture Students
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Sveučilište u Zagrebu
Fakultet strojarstva i brodogradnje
University of Zagreb
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IWR 2025 Rules

The rules are continuously updated during the planning process. The rules listed here serve as a guide for the participants. Only the rules that are passed on to the participants at the time of the event are valid.

1) General

- a) Every participant must act according to the convention of fair play and sportsmanship.
- b) Participants are responsible for damages, injuries and loss of life on their own.
- c) Participants compromising nature or third party property will be disqualified from the races. Also all participants acting unfair or not like the convention of sportsmanship will be disqualified.
- d) The IWR is open for all waterbikes constructed and built by students. The usage of prebuilt hulls or prebuilt power trains is forbidden.
- e) Alumnis and their boats are allowed to participate.

2) Official Rules

- a) The English version is authoritative.
- b) Changes of the Official Rules or uncovered decisions:
 - i) Decisions concerning changes of the rules are made by the Race Committee, consisting of four people.
 - ii) If the captains are highly dissatisfied about a decision made by the Race Committee, the captains have the chance to discuss this decision at the next Captains Meeting.
 - iii) The organizers of the IWR 2025 have the final say in decisions concerning safety and time-table.
- c) Any changes of the Official Rules will be posted at the announcement board.

3) Safety

- a) All participants are responsible for their behavior on their own.
- b) Life jackets with valid certificate have to be worn on board of any waterbike and at any time being on the water.
- c) All participants must obey the assignments of the safety crew.
- d) Any participant contravening these assignments or rules can be disqualified.
- e) Jumping from any bridge on Jarun lake is strictly forbidden and will be punished by disqualification of whole team from Regatta.
- f) Swimming in the Jarun lake is not recommended and on your own risk.





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- g) It is strictly forbidden to sail under influence of alcohol.
- h) The technical condition of waterbike allows participants to sail safely i.e.: all sharp edges, flying objects etc. have to be secured. It will be inspected.

4) Captains Meeting

- a) Only one person per boat is allowed to participate in the Captains Meeting.
- b) The Captains Meeting will be called up on a regular basis after breakfast and lunch.
- c) There will be an announcement if the Captains Meeting must be called up additionally.

5) Boats

- a) The captain of each boat is responsible for his boat concerning all intents and purposes.
- b) The boats must get their propelling force out of muscular strength. The main muscular strength has to be produced by the legs. Any kind of energy storage before the start of the particular races is prohibited.
- c) The boats must be equal or shorter than 6m in length ($Loa \leq 6m$).
- d) The boats must be shorter in the width than in the length.
- e) The draft of the boats must be less than 1,2m.
- f) Only two persons are allowed to generate the propelling force.
- g) The boats are only allowed to drive in approved water. The area of approved water will be announced by the organization team. The fairway is to be omitted in all cases.
- h) Changes in the boat, which increase the performance of the boat in some disciplines:
 - i) All parts (except tools) needed for these changes have to be carried on board during all races.
 - ii) If the boat is damaged it can be repaired ashore. The Race Committee has to be informed as fast as possible about necessary repairs. During that kind of repairs, no changes improving the performance of the boat may be done.
 - iii) The shape of the boat may not be changed.
 - iv) A boat breaking these rules will be disqualified from all Races.

6) Races

- a) The races start, when the Race Committee says so. In case of problems, these can be discussed in a Captains Meeting.



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b) The IWR consists of the following competitions:

- i) 100m Sprint
- ii) Slalom
- iii) Forward-Stop-Backward (FSB)
- iv) Acceleration (10m sprint)
- v) Bollard Pull
- vi) Long Distance
- vii) Secret Mission
- viii) Overall-Performance ,

Will be calculated by the Low-Point-System out of the following disciplines:

- (1) 100m Sprint
- (2) Slalom
- (3) Forward-Stop-Backward (FSB)
- (4) Acceleration (10m sprint)
- (5) Bollard Pull
- (6) Long Distance

c) The results of the races will be posted at the announcement board.

d) Boats which are not racing are not to constrain races. If a boat constrains racing boats the constraining boat will be disqualified for that discipline.

e) Boats which are disqualified or did not attend to a race are scored by the number of finished boats at that race (Qualification, Final,...) plus one point.

f) All boats that are needed for a race must come to the starting area at the posted time. In case of doubt the Race Committee decides about additional time. All participants have to keep in mind that the schedule has to be pursued reducing time for special treatment.

g) If a boat is damaged and cannot compete the Race Committee has to be informed immediately.

h) If a boat gets damaged in a race it has the chance to rerace after a repair if it does not cross the finish line before. In case of damage the team has to give a signal and stop the boat. This rule does not apply during the Long-Distance-Race.

i) Jump Start is strictly forbidden in any of disciplines

j) Boats which cross starting line before start of the race will not be evaluated and will be called for the rerace in that discipline. If line is crossed again before start of the rerace that boat will be disqualified for that discipline.

7) Disciplines

a) 100m Sprint

- i) The 100m Sprint is a race over about 100m.
- ii) This discipline is started in a standing start.



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- iii) The boats will start from a starting position.
- iv) The boat has finished the race, when bow of the boat has crossed the finish line.
- v) All boats attend the Qualifying.
- vi) The fastest 9 boats of the attend the Final.
- vii) The fastest boat of the Final wins the competition. Places 1 to 9 are ranked by the Final race. All others are ranked by the time of the Qualification-Run.
- viii) In Finals it is not possible to Rerace in case of a damage or technical problem (including jump start and crossing of the starting line before start of the race).

b) Slalom

- i) The Slalom is set out by the Race Committee.
- ii) All boats must round the buoys on the correct side in the correct order.
- iii) The buoys can be touched, but all parts of the boat must go around the buoys.
- iv) This discipline is started in a standing start.
- v) The boat has finished the race, when bow of the boat has crossed the finish line.
- vi) All boats attend the Qualifying.
- vii) The fastest 9 boats of the Qualifying attend the Final.
- viii) The fastest boat of the Final wins the competition. Places 1 to 9 are ranked by the Final race. All others are ranked by the time of the Qualification-Run.
- ix) In Finals it is not possible to rerace in case of a damage or technical problem (including jump start and crossing of the starting line before start of the race).
- x) All boats which go over the one or more buoys will not be evaluated and will be called for the rerace in that discipline.

c) Forward-Stop-Backward

- i) The boats have to go approximately 50m forward. Then they have to stop after an imaginary line (marked with bouy) and have to drive backwards to the starting/finishing line.
- ii) The imaginary line has to be passed by all parts of the boat.
- iii) The imaginary line will be specially marked.
- iv) This discipline is starting in a standing start.
- v) The starting line will be also the finish line.
- vi) The boat has finished the race, when stern of the boat has crossed the finish line.
- vii) All boats attend the Qualifying.
- viii) The fastest 9 boats of the Qualifying attend the Final.



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ix) The fastest boat of the Final race wins the competition. Places 1 to 9 are ranked by the Final race. All others are ranked by the time of the Qualification Run.

x) In Finals it is not possible to rerace in case of a damage or technical problem.

d) **Bollard Pull**

i) The feeding force will be measured over 30sec. The boat with the highest mean force over the 30sec will win this competition. The first peak will be excluded from the mean force.

ii) All boats have two attempt.

e) **Acceleration**

i) The Acceleration is a race of about 10m.

ii) This discipline is started in a standing start.

iii) The boat has finished the race, when the bow of the boat crosses the finish line.

iv) The ranking will be made out of the Acceleration time.

v) All boats have three attempts and the best one counts.

f) **Long-Distance**

i) The exact starting system will be explained at the Captains Meeting.

ii) All boats will race together in one group.

iii) The Long-Distance-Race will take approximately one hour of racing. The exact procedure will be announced at the Captains Meeting.

iv) The ranking will be made out of the particular race time.

v) If there is an overlapping of 10m before a buoy, the inner boat has right of way.

g) **Secret Mission**

i) The race content will be kept secret until the competition starts.

8) **Disclaimer**

The organizer of the IWR 2025 and their representatives are not responsible for losses of life or property (ownership), personal damage of the property, which are caused.