



2021 Tornado Worlds

26 September – 3 October

Thessaloniki, Greece

The Organizing Authority is the *Nautical Club of Thessaloniki* on behalf of the International Tornado Association, under the authority of *Hellenic Sailing Federation* and World Sailing.

The notation “[NP]” in a rule in the Sailing Instructions (“SI”) means that a breach of that rule shall not be grounds for protest by a boat. This changes RRS 60.1.(a)

The notation “[DP]” in a rule in the SI means that a breach of that rule may, at the discretion of the protest committee, be less than disqualification.

The notation “[SP]” in a rule in the SI means that a breach of that rule denotes a rule may, at the discretion of the race committee, be a standard penalty without a hearing or, a discretionary penalty applied by the International Jury with a hearing.

1 RULES

- 1.1 The regatta will be governed by the *rules* as defined in *The Racing Rules of Sailing 2021-2024*.
- 1.2 No national authority prescriptions will apply.
- 1.3 The ITA Class Rules and "Appendix C - International Events" and the "Equipment Inspection Regulations" will apply.
- 1.4 In case of translation, if there is a conflict between languages the English text will take precedence.
- 1.5 There will be special Covid-19 rules. These special Covid-19 rules will be published before the start of the event. The rules may include the need for testing competitors on arrival, testing on site and the need to wear masks in restaurants.

2 NOTICES TO COMPETITORS

- 2.1 Notices to competitors will be posted on the official notice board located at <https://www.racingrulesofsailing.org/documents/2806/event>
- 2.2 "Attachment 1" shows the site map Nautical Club of Thessaloniki.



3 CHANGES TO SAILING INSTRUCTIONS

Changes to the SCHEDULE of RACE, daily meeting and S.I. shall be subject to approval by the ITA Representative.

- 3.1 Any change to the sailing instructions will be posted no later than 120 minutes before the warning signal of the race affected by the change(s), except that any change to the schedule of races will be posted by 20:00 on the day before it will take effect.

4 SIGNALS MADE ASHORE

- 4.1 Signals made ashore will be displayed at the official flagpole located on the lawn in front of the clubhouse.
- 4.2 When flag "AP" is displayed ashore, "1 minute" is replaced with "not less than 45 minutes" in race signal "AP". This changes Race Signals.
- 4.3 Flag D with one sound means "The warning signal will be made not less than 45 minutes after flag D is displayed. Boats are requested not to leave the shore until this signal is made." [DP]

5 SCHEDULE

- 5.1 10 races are scheduled for the regatta.

- 5.2 Dates of racing:

DATE	RACE	1st WARNING SIGNAL
27/09	Practice Race	14.00
28/09	2 Races	13.00
29/09	2 Races	TBA
30/09	2 Races	TBA
01/10	Reserve day	"Reserve day" according to "day's schedule"
02/10	2 Races	TBA
03/10	2 Races	TBA

- 5.3 On the first racing day, a skippers' meeting will be held upstairs balcony of the sailing club at 10.30.
- 5.4 The race officer may schedule one or more extra races per day if the regatta may fail to achieve the minimum number of races to constitute a series. The change shall be made according SI § 3.



- 5.5 The Reserve Day may be used if races are not completed as scheduled or if the race committee considers it unlikely that the regatta will complete the minimum number of races to constitute a series. The change shall be made according to SI § 3.
- 5.6 On the last day of the regatta no warning signal will be made after **16.00**.

6 CLASS FLAG

The class flag for the new rig Tornado will bear the Tornado Class insignia on a white background.

7 RACING AREA

"Attachment 2" shows the location of the racing area.

8 THE COURSES

- 8.1 The diagram in Attachment 3 shows the courses.
- 8.2 Courses will not be shortened. This changes *RRS 32*.
- 8.3 No later than the warning signal, the race committee signal boat will display the approximate compass bearing of the first leg.

9 MARKS

- 9.1 Marks 1 will be Orange pyramid *inflatable buoy*.
- 9.2 Spreader mark 2 will be Yellow training pillar mark.
- 9.3 3S and 3P will be Orange pyramid inflatable buoys.
- 9.4 New mark, as provided in instruction [12.1](#), will be yellow pyramid inflatable buoy.
- 9.5 The starting marks will be the Race committee signal vessel at the starboard end, and a boat at the port end, displaying orange flags.
- 9.6 The finishing marks will be a Race committee signal vessel at the starboard end, and a boat at the port end, displaying blue flags.

10 THE START



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- 10.1 Races will be started by using RRS 26.
 - 10.2 The starting line will be between staff displaying orange flags.
 - 10.3 To alert boats that a race will begin soon, the orange starting line flag will be displayed with ONE sound signal not less than 5 minutes before the warning signal is displayed.
 - 10.4 A boat that does not start within 4 minutes after her starting signal will be scored Did Not Start without a hearing. This changes RRS A4 and A5.
 - 10.5 No race shall be started if the average wind is less than 6 knots or more than 25 knots at time between the warning signal and the starting signal.
 - 10.6 A race shall be abandoned if the wind is continuously below 3 knots for any 15 minute period before the first boat that sails the course finishes. Wind has to be measured at the deck of the Race committee signal vessel.

11 CHANGE OF THE NEXT LEG OF THE COURSE

- 11.1 To change the next leg of the course, the race committee will lay a change mark, which will be as detailed in SI 9.4. When a new mark is laid, the original mark will be removed as soon as possible.
- 11.2 If the windward mark is changed a new spreader mark will be laid.

12 THE FINISH

The finishing line will be between the staff displaying a blue flag on the main race committee vessel and either another race committee vessel displaying a blue flag.



13 PENALTY SYSTEM

- 13.1 Rule 30.2 will not apply.
- 13.2 Rules 44.1 and 44.2 are changed so that the “Two-turns Penalty” is replaced by the “One-turn Penalty”.
- 13.3 Rule 44.3 will not apply.
- 13.4 A boat that has taken a penalty or retired under RRS 44.1 shall complete an acknowledgement form at the race office within the protest time limit.

14 TIME LIMIT

14.1 Time limit and target times are as follow.

Time Limit	Mark 1 Time Limit time	Target
90 minutes	20 minutes	60 minutes

- 14.2 If no boat has passed Mark 1 within the Mark 1 time limit, the race will be abandoned. Failure to meet the target time will not be grounds for redress. This changes RRS 62.1(a).
- 14.3 Boats failing to finish within **30** minutes after the first boat sails the course and finishes will be scored Did Not Finish without a hearing. This changes RRS 35, A4 and A5.

15 PROTESTS AND REQUESTS FOR REDRESS

- 15.1 Protest forms, request for redress forms, and ranking forms’ questions are available at the race office located at sailing club secretary. Protests shall be delivered there within the protest time limit.
- 15.2 For each class the protest time limit is 60 minutes after the last boat has finished the last race of the day or the race committee signals no more racing today, whichever is later.
- 15.3 Notices will be posted within 30 minutes of the protest time limit to inform competitors of hearings in which they are parties or named as witnesses. Hearings will be held in the protest room, located at sailing club secretary sailing club secretary, beginning, if possible, at the time posted. A delay in the time posted for hearings will not be ground to ask for redress. Conversely hearings may start before the posted time, under the agreement of all parties involved



- 15.4 Notices of protests by the race committee, technical committee or protest committee will be to inform boats under RRS 61.1(b).
- 15.5 For the purpose of rule 64.3(b) the "authority responsible" is the equipment inspector appointed by the organizing authority.
- 15.6 Breaches of instructions 11.4, 18, 21, 24 and 25 will not be grounds for a protest by a competitor. This changes rule 60.1(a). Penalties for these breaches may be less than disqualification if the jury so decides.
- 15.7 No official measurement shall take place after Race 1, except as the result of a protest or due to the replacement, alteration or repair of any item.
- 15.8 No competitor may protest a question of measurement later than the normal protest time applying to Race 1, except on the grounds that there has been subsequent alteration of the boat or its equipment.
- 15.9 On the last scheduled day of racing a request for reopening a hearing shall be delivered:
a) Within the Protest Time Limit, if the party requesting reopening was informed of the decision on the previous day
b) no later than 30 minutes after the party requesting reopening was informed of the decision on that day. This changes rules 66.
- 15.10 On the last scheduled day of racing a request for redress from a protest committee decision shall be delivered no later than 30 minutes after the decision was posted. This changes RRS 62.2.
- 15.11 Decisions of the international jury will be final as provided in RRS 70.5.

16 SCORING

- 16.1 The Low Point System of RRS Appendix A will apply.
- 16.2 4 races are required to be completed to constitute a series.
- 16.3 Discards will be scored as follows:
- 16.3.1.1 When fewer than 5 races have been completed, a boat's series score will be the total of her race scores.*
- 16.3.2 When 5 or more races have been completed, a boat's series score will be the total of her race scores excluding her worst score.
- 16.4 To request correction of an alleged error in posted race or series results, a boat may complete a scoring enquiry form available at the race office.



16.5 There will be a final official ranking list for the **[Open Tornado World Championship, the Mixed Global Championship, the Youth World Championship]**.

17 SAFETY REGULATIONS [NP]

- 17.1 A boat that retires from a race shall notify the race committee as soon as possible. The boat shall act as SI - 18.4, and complete a retirement form. [DP] In case of any trouble on the water, competitors are required to use the "EMERGENCY SIGNAL" as described in "Attachment 4". [NP]
- 17.2 A list of "important telephone numbers" will be distributed at the registration on site.

18 REPLACEMENT OF CREW OR EQUIPMENT

- 18.1 Substitution of competitors will not be allowed without prior written approval of the race committee, and only in the case of sickness, accident, or special circumstances. [DP]
- 18.2 Substitution of damaged or lost equipment will not be allowed unless authorized by the race committee, and that the equipment inspector deems to be damaged beyond repair. Requests for substitution shall be made to the committee at the first reasonable opportunity. Replaced equipment must measure within the class rules. [DP]

19 EQUIPMENT INSPECTION

- 19.1 All boats must be kept at the regatta site commencing at the time of registration and continuing until the end of the event. Removal of any boat from the regatta site during the event shall require prior written permission from the equipment inspector.
- 19.2 A boat or equipment may be inspected at any time for compliance with the class rules, Equipment Inspection Regulations, and Sailing Instructions. On the water, a boat can be instructed by the equipment inspector to proceed immediately to a designated area for inspection.
- 19.3 The equipment inspector shall be a Tornado World Sailing International Measurer.

20 EVENT ADVERTISING [NP]

- 20.1 Boats shall display advertising supplied by the organizing authority.
- 20.2 If these rules are broken, World sailing Regulation 20.9.2 applies [DP]

21 OFFICIAL BOATS



Official boats are under the authority of the Race Committee and marked as follows:

Race Committee	Jury	Safety	Inspection	Media
Orange flags with letter "A"	White flags with JURY	Hellenic Rescue Team flag	Yellow flags with MEASURER	Green flags with MEDIA

22 SUPPORT PERSONNEL AND SUPPORT BOATS

- 22.1 Team leaders, coaches and support personnel shall register at the Race Office before the first racing day.
- 22.2 Except when giving help as required by RRS 1.1 or as directed by the race committee, all support or coach boats shall remain: [DP]
- 22.2.1 Outside the lay lines of the course
- 22.2.2 At least 100 meters from any boat racing from the time of the warning signal until all boats have finished or the race committee signals a postponement or abandonment
- 22.2.3 at least 50 meters to leeward of the start/finish line and its extensions

23 TRASH DISPOSAL [NP]

Trash may be placed aboard support or official boats. [DP]

24 BERTHING [NP]

Boats shall be kept in their assigned places in the boat park.

25 RADIO COMMUNICATIONS

Except in an emergency, a boat shall neither make radio transmissions while racing nor receive radio communications. This restriction also applies to mobile telephones. [DP]

26 PRIZES

- 27.1 Prizes will be given as follows:
- (a) Will be awarded to the top 3 "Open" teams.
 - (b) Will be awarded to the top 3 "Mixed" teams.
 - (c) Will be awarded to the top 1 "Youth" team (each crew member under 26 years old at 31st December 2021).
- 27.2 Special Prizes may be awarded at the discretion of the Organizing Authority to teams who attend the prize giving ceremony.

27 DISCLAIMER OF LIABILITY



- 27.1 Competitors will sail entirely at their own risk. See rule 4, Decision to Race. The organizing authority, International Tornado Class Association and all parties involved in the regatta organization will not accept any liability for material damage or personal injury or death sustained in conjunction with or prior to, during, or after the regatta.
- 27.2 Sailing by its nature is an unpredictable sport and therefore inherently involves an element of risk. By taking part in the event, each competitor agrees and acknowledges that:
- They are aware of the inherent element of risk involved in the sport a responsibility for the exposure of themselves, their crew and their boat to such inherent risk whilst taking part in the event.
 - Competitors are responsible for the safety of themselves, their crew, their boat and their other property whether afloat or ashore.
 - They accept responsibility for any injury, damage or loss to the extent caused by their own actions or omissions.
 - Their boat is good in order, equipped to sail in the event and they are fit to participate.
 - The provision of a race management team, patrol boat and other officials and volunteers by the event organiser does not relieve them of their own responsibilities.
 - The provision of control boat cover is limited to such assistance, particularly in extreme weather conditions as can be practically provided in the circumstances.

28 INSURANCE

Each participating boat shall have current third-party liability insurance with, including coverage when racing at the venue of the championship, of not less than 450.000€ per incident (or equivalent). Proof of this insurance shall be available at all times.

29 RIGHTS TO USE NAME AND LIKENESS

By participating in this event, competitors automatically grant to the organizing authority and the event sponsors the right, in perpetuity, to make, use, and show, at their discretion, any photography, audio and video recordings, and other reproductions of them made at the venue or on the water from the time of their arrival at the venue, until their final departure, without compensation.

30 ALTERATIONS AND ADDITIONS

Alterations or additions to these sailing instructions shall only be with the prior agreement of the ITA Representative.



International Tornado Association

RACE OFFICIALS



Principal Race Officer : PAUL BASTARD FRA

Committee Chairman : NICKOLAOS BENAXIDIS GRE

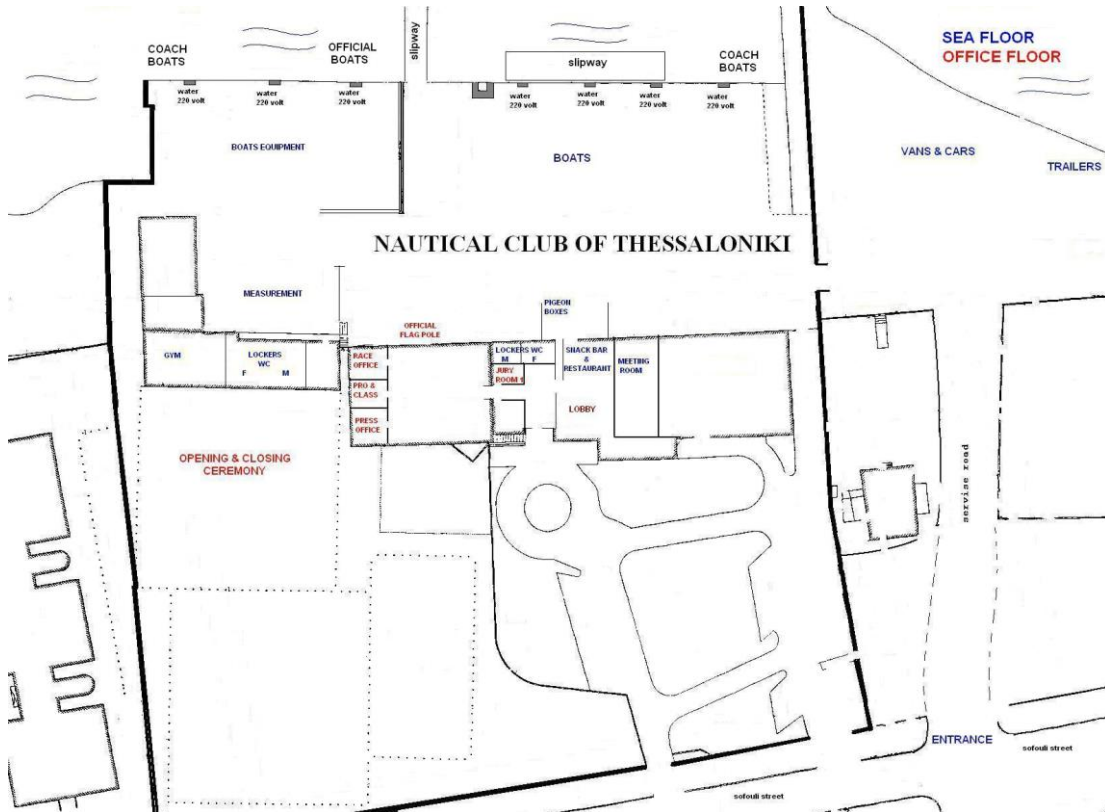
Equipment inspector : MARTIN DAUMAN AUT

Jury Chairman : SERGEY KUZOVOV RUS

ITA representative : GURGEN JENTSCH GER

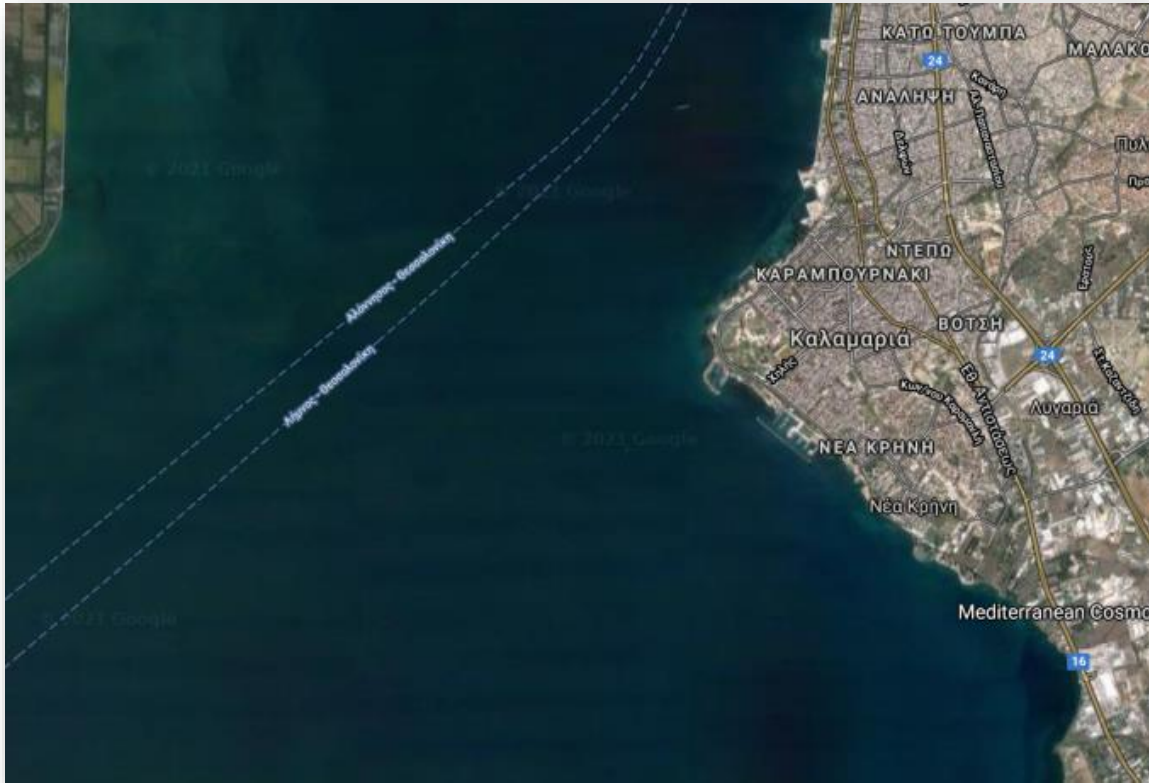
ATTACHEMENT 1

Site Map



ATTACHEMENT 2

Race Map Aerea



ATTACHMENT 3: CHAMPIONSHIP COURSE**COURSE ILLUSTRATION**

1. The Course:

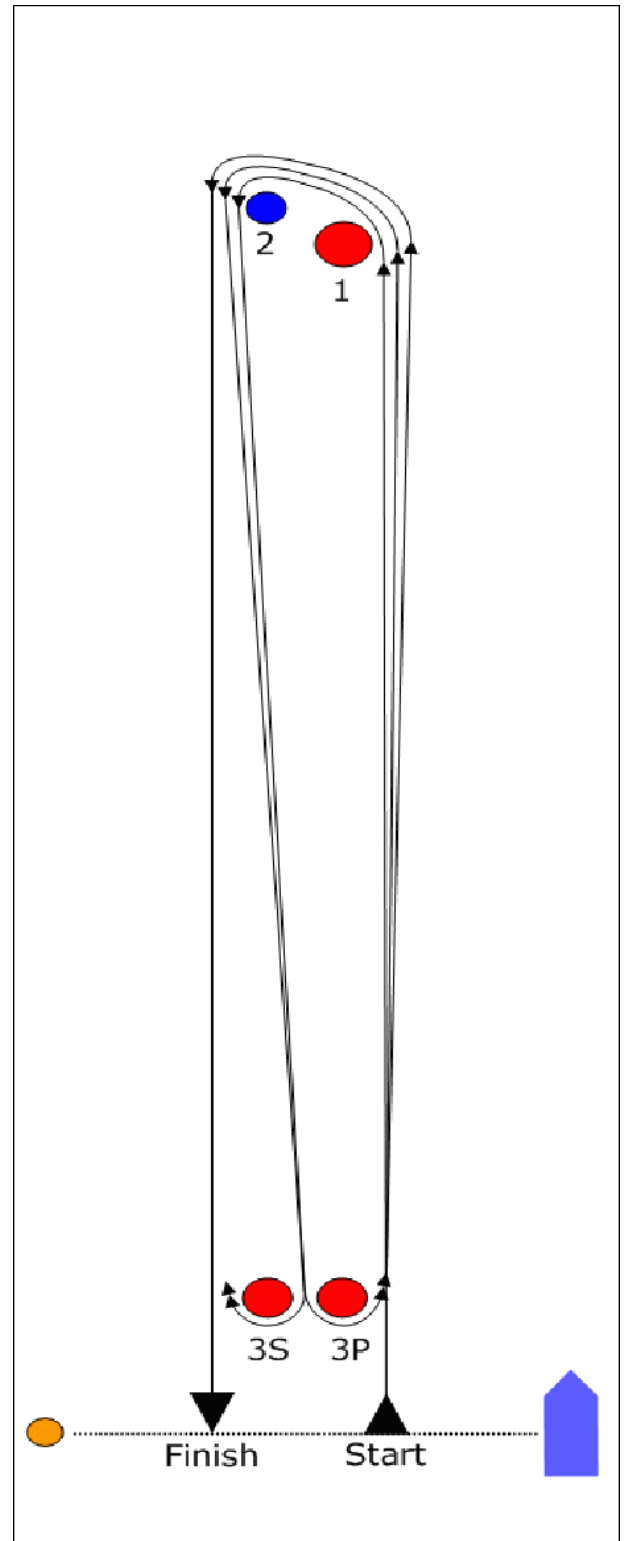
- for the new rig Tornado is:

Start -1- 2- 3S / 3P - 1- 2- 3S/3P - 1- 2 - Finish

1. Marks 1 & 2, the windward marks, shall be rounded to port.
2. Mark 2 shall be set approximately 100 meters to port of Mark 1. The bearing to Mark 2 from Mark 1 shall be approximately 70 degrees to port of the bearing to Mark 1 from the Start or previous leeward gate.
3. Marks 3S/3P may be disregarded on the first windward leg and on the final downwind leg.
4. Marks 3S/3P, the leeward marks, shall be set as a gate.

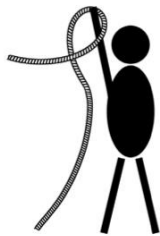
Mark 3S shall be rounded to starboard *or*
Mark 3P shall be rounded to port.

5. The Course length shall normally be set so the race will last approximately 60 minutes in the anticipated wind conditions. Failure to comply with this paragraph will not be grounds for a request for redress.



ATTACHMENT 4

TORNADO Emergency Signals

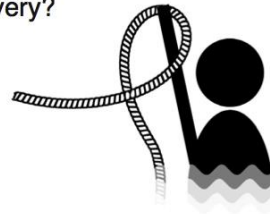


I need to be tugged:
put up tow-line or any other line



Thumb up:
I'm good - no help required

Need help with capsize recovery?



Capsize rope up:
I need help!



keep distance:
Go away sign - move open hand away from body



I need help from motorboat:
Move both hands up and down