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Class Rules

International Kiteboarding Association - Twin Tip Racing



The IKA Twin Tip Racing Class was adopted as a World Sailing international class in 2013

sport / nature / technology



World Sailing
Class Association

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INTRODUCTION

The IKA Twin Tip Racing Class rules are meant to regulate the equipment used in kiteboard twin tip racing events.

The aim of the rules is to enable sailing crafts that are regarded as twin tip kiteboards to participate regardless if they are factory or custom made with certain restraints.

The philosophy of the class is that sailors can compete in racing on affordable and universal equipment also used in freestyle competitions or for freeriding, without specialized and expensive equipment, accessible especially in emerging and developing countries and serving as an entry level and feeder class to the high performance IKA Formula Kite Class.

The rig/kite configuration is not limited in size and it is one unit. It can be solid, but it should be operated in a kiteboarding manner.

Rules regulating the use of equipment during a race are contained in Section C of these class rules, in ERS Part I and in the Racing Rules of Sailing.

This introduction only provides an informal background and the Twin Tip Racing Class Rules proper begin on the next page.

PLEASE REMEMBER:

CLASS RULES IN THIS CHAPTER ARE CLOSED CLASS RULES WHERE IF IT IS NOT SPECIFICALLY STATED THAT YOU MAY, THEN YOU SHALL NOT.

COMPONENTS, AND THEIR USE, ARE DEFINED BY THEIR DESCRIPTION.

PART I – ADMINISTRATION

Section A – General

A.1 LANGUAGE

- A.1.1 The official language of the class is English and in case of dispute over translation the English text shall prevail.
- A.1.2 The word “shall” is mandatory and the word “may” is permissive.
- A.1.3 Except where used in headings, when a term is printed in “**bold**” the definition in the ERS applies, and when a term is printed in “*italics*” the definition in the RRS applies.

A.2 ABBREVIATIONS

A.2.1	WS	World Sailing
	MNA	World Sailing Member National Authority
	WSCA	World Sailing Class Association
	TTR	IKA Twin Tip Racing Class
	IKA	International Kiteboarding Association
	NCA	National Class Association
	RRS	Racing Rules of Sailing
	ERS	Equipment Rules of Sailing

A.3 AUTHORITIES AND RESPONSIBILITIES

- A.3.1 The international authority of the class is World Sailing which shall co-operate with the TTR in all matters concerning these **class rules**.
- A.3.2 World Sailing, the TTR Class, or its delegated representatives can accept no liability or legal responsibility in respect of these rules.

A.4 ADMINISTRATION OF THE CLASS

- A.4.1 The class is administered by the International Kiteboarding Association.

A.5 WORLD SAILING RULES

- A.5.1 These **class rules** shall be read in conjunction with the ERS.

A.6 CLASS RULES VARIATIONS

- A.6.1 At class events – see RRS 89.1.d) – World Sailing Regulation 10.5(f) applies.
At all other events RRS 87 applies.

A.7 CLASS RULES AMENDMENTS

- A.7.1 Amendments to these **class rules** are subject to the approval of World Sailing in accordance with World Sailing Regulations

A.8 CLASS RULES INTERPRETATIONS

- A.8.1 Interpretation of **class rules** shall be made in accordance with World Sailing Regulations

Section B – BOAT ELIGIBILITY

For a TTR **kite-board** to be eligible for *racing* it shall comply with the rules in this section

B.1 LICENSED MANUFACTURER

B.1.1 TERMINOLOGY

(a) Series Production Equipment: Equipment of one manufacturer which is mass produced in a production run of at least 75 pieces per model/size and continuously made available for purchase worldwide without restriction until the end of the current Olympic Cycle with monthly production capacities of 25 pieces. Each piece of equipment shall be produced using the same manufacturing specification and materials, be identical within production tolerances in all performance related aspects, and comply with the measurements provided by the manufacturer.

- B.1.2 Registration and Licensing follows the procedures described in the 'IKA Builder Agreement and Registrations Scheme' available online at www.internationalkiteboarding.org

- B.1.2 Hulls and Kites shall compete in the TT:R class events listed in C.1.1(a) only with registered series production equipment included in the relevant registered series production equipment lists.

B.2 HULL IDENTIFICATION

- B.2.1 Registered Series Production Hulls shall display the official IKA Registered Production Equipment Plaque and the manufacturers serial number as applied by the manufacturer.

B.3 KITE IDENTIFICATION

- B.3.1 Registered Series Production kites shall display the official IKA Registered Production Equipment Plaque and the manufacturers serial number as applied by the manufacturer.

B.4 EVENT INSPECTION

- (a) For the purpose of RRS 78, **crew** is considered to be the competitor.
- (b) The role of **equipment Inspectors** at an event is to ensure compliance with these **class rules**. Where an **equipment inspector** determines that an item of equipment needs further investigation, they shall use whatever inspection methods they deem appropriate, including comparison with a standard or a sample of other equipment presented for inspection. Should this comparison reveal deviation greater than the Inspector considers being within manufacturing tolerances, this shall be

reported to technical representatives of World Sailing, NCA and Manufacturer for investigation and a decision on the legality of the equipment. If this investigation takes longer than the time available for inspection, the owner shall present alternative equipment for inspection.

B.5 EVENT LIMITATION MARKS

- B.5.1 All items of a **crew's** equipment which are subject to control, as per the schedule on the Regatta Equipment Registration Form, and which require **event limitation marks** shall be so marked.
- B.5.2 Some items of equipment may receive two **event limitation marks**, one in a readily visible position and a second in a position protected from wear and tear.

PART II – REQUIREMENTS AND LIMITATIONS

The **crew, equipment** and the **TTR kite-board** shall comply with the Rules in Part II when *racing*. In case of conflict Section C shall prevail

The rules in Part II are **closed class rules** as defined in the ERS. Equipment inspection shall be carried out in accordance with the ERS except where varied in this part

Section C – Conditions for Racing

C.1 GENERAL

C.1.1 LIMITATIONS

(a) For Youth Olympic Games, Regional Games and Qualifier Events

- (1) **Hulls** and **kites** used in Youth Olympic Games, Regional Games and their qualifier events shall be listed on the relevant registered series production equipment list.
- (2) Only leading edge Inflatable **kites** shall be used in such events as listed in the relevant registered series production equipment list.
- (3) Only one **hull** and not more than four leading edge inflatable **kites** shall be registered for an event, except when lost or unintentionally damaged beyond repair. A replacement may be made only with the approval of the Race Committee. The Race Committee shall then attach an event limitation mark to the replacing equipment and remove or deface any event limitation mark attached to the replaced equipment.
- (4) Not more than one production **kite** shall be registered per size range:
 - Large: Nominal Size of 15m or bigger.
 - Medium: Nominal Size of 11m to 15m
 - Small: Nominal Size of 11m or smaller.
 - X-Small: Nominal Size 9m and smaller
- (5) Registered Series Production **hulls** and **kites** registered after December 31st 2016 shall display the IKA registered equipment plaque and a unique manufacturers serial number as applied by the manufacturer.
- (6) Registered series production equipment used for racing shall comply with the measurements published on the registered series production lists.

(b) For any event designated as “Youth” event in the Notice of Race only “Leading Edge Inflatable” kites shall be used.

(c) For any event not included in C.1.1(a) and not withstanding C.1.1(b); not more than one hull and four kites from any manufacturer shall be registered at World and Continental Championship events.

When a hull or kite has been lost or accidentally damaged beyond repair, a replacement may be made, only with the approval of the Race Committee. The Race Committee shall then attach an event limitation mark to the replacing item.

C.2 CREW

C.2.1 LIMITATIONS

- (a) The **crew** shall consist of one person.

C.2.2 MEMBERSHIP

- (a) No **crew** is permitted to race at a National or International Regatta unless he/she is a member of his/her NCA. If there is no NCA, then the **crew** shall be a member of the IKA.

C.2.3 AGE DIVISIONS

- (a) OPEN – Men and Women of any age
- (b) YOUTH - Boys and Girls under the age of 19 years on 31 December of the year of the event.
- (c) MASTERS – Men and Women above the age of 34 years on 1 January of the year of the event.
- (d) GRAND MASTERS – Men and Women above the age of 44 years on 1 January of the year of the event.

C.3 PERSONAL EQUIPMENT

C.3.1 Personal equipment does not have to be produced by a licensed manufacturer

C.3.2 SAFETY AND LIFE-SAVING EQUIPMENT

- (a) A detachable kite leash with a leash safety release, capable of fully flagging out the kite shall be used and worn as intended. The Notice of Race and the Sailing instructions may change this rule.
- (b) In accordance with RRS 1.2 the following provision is made: The crew does not have to wear or carry on board a Personal Flotation Device unless RRS 40 applies or the Notice of Race or Sailing Instructions specifies it. The Personal Flotation Device shall conform to the minimum standard of ISO 12402-5 and if prescribed, the crew shall wear it. Alternative or additional standards may be prescribed in the Notice of Race.
- (c) A helmet to the minimum standard EN1385 or EN1077 or equivalent with at least 300 square centimeters of the exterior surface in a high visibility colour (except green and blue colours) shall be worn at all times when afloat, except briefly while changing or adjusting clothing or personal equipment. If prescribed by the Notice of Race, the helmet shall carry nationality flags as instructed by the Notice of Race.
- (d) A hook knife shall be securely attached to the competitor at all times when afloat.
- (e) Body protection (Impact vest) which may also act as a personal flotation device in accordance with CR C.3.2(b).

C.3.3 OPTIONAL

In addition to food and personal effects to keep warm and/or dry, and/or to protect the body, the following may be carried on board:

- (a) Any harness.
- (b) Any buoyancy vest or jacket (which may be described as mandatory in the Sailing Instructions). If personal buoyancy is prescribed, every competitor shall wear a personal flotation device that shall conform to the minimum standard of ISO 12402-5 (Level 50).
- (c) Any container for holding beverages in accordance with RRS Appendix F 43.1(a)
- (d) Any electronic or mechanical timing device
- (e) Any heart rate monitoring device
- (f) Any electronic or mechanical compass
- (g) A whistle, compliant with ISO 12402-8 or equivalent, securely attached to the competitor.

C.4 PORTABLE EQUIPMENT

C.4.1 **Portable equipment** does not have to be produced by a licensed manufacturer.

C.4.2 OPTIONAL

- (a) any GPS tracking device. The Notice of Race or sailing instructions may change this rule.
- (b) Any camera recording equipment and attachments, and removable for weighing. The Notice of Race or Sailing Instructions may change this rule.

C.5 IDENTIFICATION

Competitors shall comply with RRS F9

C.6 ADVERTISING

C.6.1 LIMITATIONS

Advertising shall only be displayed in accordance with the World Sailing Advertising Code.

C.7 HULL

C.7.1 MODIFICATIONS/MAINTENANCE AND REPAIR

(a) For **hulls** used in Youth Olympic Games, Regional Games and Qualifier Events the following apply:

- (1) The **hull** shall not be altered in any way except as permitted by these class rules.
- (2) Routine maintenance and repairs may be carried out provided such repairs are made in such a way that the essential shape, characteristics or function of the original **hull** are not affected. The serial number/s shall remain legible.
- (3) The **hull** may be lightly sanded and/or polished.

- (4) The deck grip may be restored to its original condition with a clear coating provided that the original deck graphics remain legible.
- (5) Any adhesive tape may be used provided that the original hull design remains identifiable.
- (6) Manufacturer's insert holes may be filled.
- (b) For **hulls** used in any other event any modification, maintenance or repair can be made.
- (c) Any left and a right foot pad and/or any left and right footstrap or left and right foot boots are permitted to be mounted on the **hull** deck provided they are symmetric within production tolerances and wear and tear about the beam. The Notice of Race may change this class rule.

C.7.2 MAKERS MARKS

- (a) For **hulls** used in Youth Olympic Games, Regional Games and Qualifier events:
Hulls registered after 01.01.2017, personal advertising as provided in the World Sailing Advertising Code may be applied provided that brand, make and size identification remains identifiable.
- (b) For hulls used in any other event, personal advertising as provided in the World Sailing Advertising Code applies.

C.7.3 WSCA REGISTRATION

Hulls used in Continental and World Championships, Regional and Olympic Games and their qualification events, shall display a WSCA registration sticker with an unique registration number, applied as instructed.

C.8 HULL APPENDAGES

C.8.1 FIN

A maximum of any four **fins** may be attached to the **hull** when racing. Retractable fins are not permitted. No **fin** shall be attached to the **hull** in the mid 30% of the **hull** length. No other **hull appendages** are permitted.

C.8.2 DIMENSIONS

The shortest distance between the lowermost point of the fin and the bottom of the hull shall not exceed 60 mm. The maximum overall dimension of a fin, measured along the hull longitudinal, shall be 130mm. There are no limitations to the thickness of a fin measured across the hull transverse.

C.9 RIGGING

C.9.1 BARS

- (a) Any handle **bar** may be used.
- (b) Handle bars shall have a quick release system that allow to disconnect the handle bar from the harness with a single hand movement.

C.9.2 LINES

- (a) Any lines may be used.
- (b) Front lines shall have a depowering device.

C.9.3 BRIDLES

- (a) Any bridles may be used.

C.10 KITE

C.10.1 MODIFICATIONS, MAINTENANCE AND REPAIR

- (a) For **kites** used in the Youth Olympic Games, Regional Games and Qualifier Events the following applies:
 - (1) The **kite** shall not be altered in any way except as permitted by these **class rules**.
 - (2) Routine maintenance and repairs may be carried out provided such repairs are made in such a way that the essential shape, characteristics or function of the original are not affected. Serial numbers/plaque ID's shall remain legible.
 - (3) Advertising or identification may be stitched, painted, printed or taped to the kite.
- (b) For **kites** used in any other events any modification, maintenance or repair may be made.

C.10.2 IDENTIFICATION

If prescribed by the Notice of Race each **kite** shall carry nationality flags as instructed by the Notice of Race

C.10.3 SAILMAKERS MARKS

- (a) For events listed in C.1.1(a), Personal advertising as prescribed in the World Sailing Advertising Code may be applied provided that model and size identification as publicly available in retail remains identifiable.

C.10.4 WSCA REGISTRATION

Kites and Hulls used in Continental and World Championships, Regional and Olympic Games and their qualification events, shall display a WSCA registration sticker with an unique registration number, applied as instructed.

Section D – Hull

D.1 GENERAL

The **hull** shall be symmetrical within production tolerances and wear and tear, when mirrored at an axis laid over the beam at 50% of the length of the hull

D.2 DIMENSIONS

	Min	Max
Hull Length		1710mm
Hull Beam	150mm	510mm
Vertical distance between the highest point and the lowest point of the hull at any transverse section		25mm

D.3 MATERIALS

Any material may be used.

Section E – Hull Appendages

Not in Use

Section F – Rigging

F.1 DIMENSIONS

The maximum distance measured from the lowermost point of the rigging to any part of the kite, when rigged, shall be 45000 mm.

	Maximum Diameter	Minimum Diameter
<i>Front Lines</i>		1.2mm
<i>Back Lines</i>		0.8mm

F.2 MATERIALS

- a) **Flying lines** shall be made of dynema or spectra or generic materials
- b) Bridles if used shall be made of Carbon, Kevlar, Poly-aramid, dynema or spectra or generic materials

Section G – Kite

G.1 GENERAL

G.1.1 MATERIALS

- (a) The outside shell of the front tube (if any), the canopy, and the outside shell of the struts (if any) shall be made out of woven ply.
- (b) Reinforcements, battens, tapes may be made out of other material.
- (c) Bladders shall be made out of TPU, PU or PVC materials

G.1.2 SIZE

- (a) For **kites** used in Youth Olympic Games, Regional Games and Qualifier Events the nominal size of a **kite** registered after 01.01.2013 shall be within +/- 0.5 sqm of the actual measured size of the kite (laid out area).
- (b) For **kites** used in any other event no limitations exist in the nominal size of a **kite**.

G.1.3 SIZE DECLARATION

- (a) For **kites** used in Youth Olympic Games, Regional Games and Qualifier Events and registered after 01.01.2013 the nominal **kite** size shall be printed by the manufacturer on the outside (top side) of the canopy in a contrasting colour and clearly legible. Commercially available typefaces giving the same or better legibility than Helvetica are acceptable. The height of the characters shall be at least 150mm
- (b) For **kites** used in any other event no limitation exists in size declaration.

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