



Race instructions 2010

Version 1.0, 31 – 05 – 2010

These Race Instructions (RI) have been developed to lay down a clear set of rules for the teams competing in the Frisian Solar Challenge. Any situations not covered by these rules will be decided on by the Jury.

Organising authority:

Stichting Sinneboatrace Fryslân;
Andries van Weperen Managing director

Jury:

Eric Mehlbaum	Chairman
Elise Boltjes	member
Eddie Huisman	member
Gerlof van Wieren	member

Race management:

Natasja Kesteloo	Competition manager
Joris Melkert	Chairman Technical Committee
Jan Kooistra	Chairman Race Committee
Albert Bosscha	Chairman Scoring, Start and Finish Committee

Technical Committee

Joris Melkert	Chairman
Peter Hoornaert	member
Hans van der Zee	member
Harry van der Pol	member
Martijn Hoornaert	Beach master

Race committee: assistants rubber boats

Jan Kooistra	Chairman	
Johan Weissenbach	Wietse de Vries	Rubber boat 1
Ferny Bakhuizen	Piet Kesteloo	Rubber boat 2
Jelle Werkhoven	Jurre Rooks	Rubber boat 3
Elise de Bok	Daan Stoel	Rubber boat 4
Betty Gietema	Erwin de Vries	Rubber boat 5
Willy Delgrosso	Joke Rauwerda	Broom boat
Tom Groenendijk		Signal boat
Bertus Dijkstra	Rescue Coordinator Sloterveer	
Geert Jan Engelmoer	Starter/Check points (RI 14.4)	
Albert Bosscha	Chairman Scoring, Start and Finish	
Geke de Haan	Scoring	
Ditty Bossche	Time registration	
Jelmer van Rosendal	Time registration	
Nita de Jong	Time registration	
Dirk-Jelle de Jong	Time registration	
Boyan Bakhuizen	Time registration	
Alex de Jonge	Time registration	
Ellen de Jonge	Time registration	
Gerrie van de Beek	Time registration	
Jan Hoekstra	Time registration	
André Feddema	Time registration	
Reha Vellinga	Time registration	
Johan de Haan	VC1 car Phone 06 - 51 45 14 14	
Jan Faber, Johan Weissenbach en Jan Kooistra	Boating skill test Inspectors	

FRISIAN SOLAR CHALLENGE 2010

RACE INSTRUCTIONS

Version 1.0, 31 May 2010

BASIC RULES

Everyone involved must report to the organisation and will be timely notified of the place and exact time of this registration. Everyone will receive a badge that must be worn conspicuously during the race. The colour of the badge depends on the category. The badge will not be supplied before all the required formalities have been completed. The following categories will be distinguished; Competitors: Skippers and / or crew, Officials, Volunteers, Sponsors, Guests and members of the Press.

Each team shall participate in compliance with recognised principles of sportsmanship and fair play. The responsibility for a competitor's decision to participate in the race is for his alone.

1. RULES

- 1.1 The race will be held in accordance with these Race Instructions, the Frisian Solar Challenge rules, version 1.0, the vessel's inspection form, the right-of-way rules of the "Binnenvaart Politie Reglement (BPR)" (Inland Navigation Police Regulations) and any further amendments to any of these rules. In the case of a conflict between the rules the Race Instructions prevail over the other rules, and the Frisian Solar Challenge rules prevail over the BPR (see 13.9).
- 1.2 Competitors shall keep to the right and must not deliberately hinder other competitors.
- 1.3 Competitors shall adhere to the speed limits prescribed by the Organisers, as listed in the Roadbook.
- 1.4 Instructions given by the Race Committee (on the water) shall be followed at any time.
- 1.5 The official language of the Frisian Solar Challenge is English. In the case of discrepancies between the English and the Dutch texts, the English text will prevail.
- 1.6 The Race committee reserves the right to take out of the race any competitor who will not reasonably finish inside the maximum time set, either reasonably, or as appears from insufficient experience, or any competitors who might harm themselves or others.
- 1.7 Competitors leaving the race shall inform the Technical Committee (TC) as soon as possible. The TC will supervise their referral to the next paddock.
- 1.8 Any matters not covered by these rules will be decided by the Jury.
- 1.9 All marks to be used will be red spherical marks.

2. NOTICES TO COMPETITORS

- 2.1 Before the start of the event there will be one competitors' briefing and an additional explanation for all persons on board and team captains with respect to the risks during the race. Attendance during this briefing is mandatory for all team captains. As proof of attendance an attendance register shall be signed. The briefing will take place in the NHL in Leeuwarden on Friday evening at 20.00 hours.
- 2.2 Notices to competitors will be posted on the official Notice Board located in the vicinity of the camp site and /or on the VC1 car.
- 2.3 Decisions and notices from the Jury will be posted on the Jury section of the Notice board.

3. CHANGES TO THE RACE INSTRUCTIONS / NOTICES TO COMPETITORS

Each change to the Race Instructions as well as notices to competitors will be posted on the noticeboard before 9.00 hours on the day that it takes effect, except that any change to the schedule of racing will be posted before 20.00 hours on the day before it takes effect. A whistle signal will be made when the *Solar* flag is hoisted.

4. IDENTIFICATION of boats

- 4.1 Competitors
All boats must carry the entry / registration number assigned by the Frisian Solar Challenge organisation. See TR item 8.1.
- 4.2 Officials
Official boats will carry Frisian Solar Challenge flag.

5. Qualification

- 5.1 Prior to the race a prologue and a sprint contest will be held in the Prinsentuin in Leeuwarden on Sunday 4 July 2010, start 10.00 hours. The time of the prologue will count towards determining the starting order for Monday 5 July 2010. Teams shall participate in both the prologue and the sprint contest.
- 5.2 The requirements for the prologue are described in TR 5.27. During the prologue each competitor's time will be taken 4 times. These may be used by the jury to decide any requests for redress with regard to the prologue.

6. TIMEKEEPING

- 6.1 The time taken by each competitor to complete the course is recorded by the race committee by means of electronic timing (minutes and seconds). After adding any penalty minutes, if appropriate, the team with the fastest time will be the winner in each category. In case of equal times, competitors will be classified equally. In case of equal classification in the final classification, then the time of the last race will be decisive.

7 RACING PROGRAM

7.1 Prologue

On Sunday 4 July 2010, start 10.00 hours in the Prinsentuin in Leeuwarden: "*Prologue of Leeuwarden*". This is a 10-km race. The course goes from Leeuwarden along the Dokkumer EE to a turning mark (leave to port) at 5 km, and back to Start/finish.

- 7.2 Boats in Challenge A and B Class shall complete this prologue within the set time of 1 hour and 15 minutes (minimum speed 8 km/hr) in order to be eligible to compete in the race.

Boats in the Top Class shall complete the prologue within the set time of 50 minutes (average speed 12 km/hr) in order to be eligible to compete in the race.

The order of starting is by entry number, beginning with Class A, then B, and finally Top Class.

7.3 Sprint contest

At 14.00 hours the sprint contest will start in the Prinsentuin in Leeuwarden. Competitors will start every other minute. The length of the sprint course will be 150 m. Extra prizes will be available for this contest.

See Appendix B.

7.4 Race

The race committee will post the starting order for the first leg of the race on the notice board before 20.00 hours on Sunday 4 July 2010.

The Sprint will start in the Prinsentuin in Leeuwarden at 14.00 hours. This race is mandatory for all competitors and replaces the sprint test listed in the Notice of Race. The rules of the Sprint will be handed out in advance during registration on campus.

7.5 Start schedule

5 July	Start time	9.30 hrs	Restart Sneek 14.00 hrs, finish closes 18.00 hrs
6 July	Start time	9.00 hrs	Finish closes 18.00 hrs
7 July	Layday	Bolsward	
8 July	Start time	10.00 hrs	Restart Harlingen 15.00 hrs, finish closes 17.00 hrs
9 July	Start time	9.30 hrs	Restart Birdaard (Burdaard) 15.00 hrs, finish closes 17.00 hrs
10 July	Start time	11.00 hrs	Restart Grote Wielen 15.00 hrs, finish closes 17.00 hrs

8 THE COURSES / ROUTE

8.1 The legs are as follows:

5 July:	Leeuwarden – Sneek - Sloten	(49 km)
6 July:	Sloten – Stavoren - Bolsward	(56 km)
7 July:	Layday > Bolsward	
8 July:	Bolsward – Harlingen – Franeker	(36 km)
9 July:	Franeker – Leeuwarden- Dokkum	(47 km)
10 July:	Dokkum – Leeuwarden	(25 km)

- 8.2 Competitors shall not deviate from the course prescribed in the Road book, unless instructed to do so by the Race Committee.

- 8.3 The race committee may abandon the race at any point of the course, postpone, change or shorten the course. An abandoned race may be restarted at a place and by a method to be notified by the Race Committee.

- 8.4 Signposts will be located in various unclear places on the course to help competitors complete the correct course.

- 8.5 Competitors themselves are responsible for travelling the correct course.

If a „safety gate is used on the Slotermeer, boats shall pass between the Marks of the 'gate' from the direction from where they have come. The "gate" will consist of spherical two red marks.

9. RESERVE

10 STARTING ORDER

- 10.1 The starting order per class on the first day of racing will be determined based on the results of the prologue. On subsequent days the starting order is determined based on the overall standings. This order is also the order in which the boats will be launched.
- 10.2 In the case of a restart the starting order will be the same as that of the first start of that day.
- 10.3 At all times competitors are responsible for taking note of the starting order that is made available by the organisation, which will be published on the notice board at the Information post.

11 THE START

- 11.1 The start of the first leg will be at the Prinsentuin in Leeuwarden. 11.2 Races will be started by means of a starting lane, which will be formed by a restricted area. **See Appendix C.**
- 11.3 The starting line will be between a pole in the water with a flag of the organisation and a fixed pointed ashore.
- 11.4 Two competitors will start at the same time, with 30-second intervals. Competitors shall ensure that they reach the starting lane in time.
- 11.5 Competitors who are not yet starting shall avoid the starting area. 11.6 A competitor who starts before his start number shall receive a 60-minute time penalty.
- 11.7 Competitors shall be behind the starting lane at least 15 minutes before their official starting time.
- 11.8 Competitors who arrive at the start late, shall be starting last. Their time, however, will start to run from the moment at which they should have started.
- 11.9 The start will be closed 10 minutes after the starting signal of the last competitor on the starting list.

12 FINISH

- 12.1 The finishing line will be between spherical two red marks.
- 12.2 The time will be stopped at the moment when the competitor crosses the finishing line.
- 12.3 The first two days the finishing line will close at 18.00 hours. On subsequent days it will close at 17.00 hours. For legs 4 and 6 the finish for the first part of the race will close at 14.30 hours. The race committee may change this time limit if the conditions make it necessary.
- 12.4 In each finishing town after racing competitors shall move to the Paddock and store their boats in a location determined by the Frisian Solar Challenge organisatiob, except in Harlingen, Birdaard and the „Grote Wielen . Boats shall not be relocated nor deprive another competitor of sunlight.

13 PROTESTS AND REQUESTS FOR REDRESS

- 13.1 Only protests by competing teams, the race committee, technical committee and the jury will be heard.
- 13.2 Protests must be delivered in writing. Each protest shall describe the incident and indicate which boat, or which decision, is being protested. Protest forms are available from the race committee, which will be located in the VC1 car. Protests shall be lodged there before the end of protest time.
- 13.3 Competitors, race committee, technical committee and jury must inform the protested party at the first reasonable opportunity.
- 13.4 The protest time limit expires 30 minutes after the last boat of that day has finished. The same protest time limit applies to all protests by the race committee and the jury regarding incidents that they have observed on the course. The protest time for members of the Technical Committee ends 2 hours after the finish has been closed. Requests for redress must be lodged within 30 minutes after the moment at which a competitor could have reasonably taken note of the fact on which his request for redress is based. On the last day of the event all requests for redress shall be lodged within 30 minutes after the last boat of that day has finished.
- 13.5 Notices about the time of a hearing will be posted within 30 minutes after the end of protest time to notify competitors of any hearings in which they are parties or have been named as witnesses. Hearings will be conducted in the juryroom (location will be posted on the notice board in each town). It is the competitors' responsibility to take note of the notices on the notice board and to be present at the hearing on time, with his witnesses, if applicable.
- 13.6 Penalties by the jury may vary from time penalties to disqualification for one or more legs or removal of the right to start in the next leg(s), at the discretion of the jury.
- 13.7 Decisions by the jury are binding. There is no appeal. If the jury thinks it may have made an error, it may reopen a protest or request for redress.
- 13.8 If a competitor has been significantly disadvantaged through no fault of his own, the jury may grant redress by giving him a new finishing position or a corrected finishing time.
- 13.9 The jury will make decisions only in compliance with the rules of the event (see 1.1). It will not adjudicate any claim for damages.

14 SCORING

- 14.1 The results will be published on the notice board each day.
- 14.2 Competitors that do not succeed in finishing a leg before the finish line is closed will be scored Did Not Finish (DNF) and given the time of the slowest competitor in their class + 15%.
- 14.3 If a competitor decides not to continue racing during the first part of a leg (30% of the length of the leg of that day), he will be scored the time of the slowest competitor in his class + 20%.
- 14.4 Various legs feature time checks, which can be recognized by a Frisian Solar Challenge flag. If a competitor does not make the time set by the organisation, he shall leave the race and take his boat to the finishing town by trailer. Competitors shall have a trailer at their disposal. **See Appendix A** .
- 14.5 If a competitor decides not to start a leg, he will be scored the maximum time for that leg. The maximum time awarded for a leg will be 23 hours 59 minutes and 59 seconds.
- 14.6 The team that completes the entire course in the fastest time will be the winner of the Frisian Solar Challenge.
- 14.7 If a tie remains between two or more boats they shall be ranked in order of their scores in the last leg. Any remaining ties shall be broken by using the tied boats' scores in the next-to-last leg and so on until all ties are broken.

15 SAFETY REGULATION

- 15.1 Everyone on board shall wear an adequate life-jacket aid.
- 15.2 During the race everyone on board shall wear adequate footwear.
- 15.3 The dead man's switch must be worn in a clearly visible manner while sailing the boat.
- 15.4 Competitors who are unable to continue racing, shall immediately notify the race committee in the VC1 car or by phoning 06 – 51451414, and report their whereabouts. Competitors who retire shall not deviate from the prescribed route. They shall wait by their boat in order for it to be collected by the race committee. The race committee will not move any boats if their crew are not present.
- 15.5 Competitors who do not reach a check point within the set time shall retire from the race there.

16 SUBSTITUTION OF CREW AND EQUIPMENT

- 16.1 Skippers may be substituted by another registered skipper.
- 16.2 In all classes substitution of the propeller is permitted at any time during the Challenge.

17.1 RESERVE

18. INSPECTIONS

The Technical Committee may check boats for compliance with the Frisian Solar Challenge version 25 June 2009 TR and the Race Instructions as laid down in the inspection form.
The Technical Committee may demand that the batteries or other parts of the electrical installation are submitted for inspection immediately after finishing. Competitors shall always assist in inspections.

19 OUTSIDE HELP

- 19.1 A competitor shall give all possible help to any person or vessel in danger. They shall report this to the VC 1 car at 06- 51451414.
- 19.2 Team leaders, coaches and other support personnel shall not sail in the zone starting 100 meters in front of the first competing boat and ending 100 meters behind the last competing boat under penalty of a DSQ (Disqualification) for the competitor involved.
- 19.3 Competitors shall not receive outside help, except:
 - When help is given to a person or vessel in danger;
 - When help is given to a competitor who is sick;
 - After a collision, that is, help by the crew of the other boat to get clear.

The race committee will protest competitors who receive outside help that contravenes 19.3 or whose team leaders, coaches or other support personnel who follow their teams by boat

- 19.4. Support by team members is not considered to be outside help.
- 19.5 Competitors and support personnel shall not enter any third party's property without the owner's or user's permission.

20. PRIZES

Prizes will be awarded by the organisation as follows:

The JRES Sprint Prize:

In each class one prize will be awarded to the fastest competitor. Prize-giving immediately after the sprint race in the Prinsentuin in Leeuwarden on Sunday 4 July 2010.

Each day a leg winner per class will be honoured.

Each day the overall leader per class will be honoured.

Main prizes

In the categories Challenge-A, Challenge B and Top the following prizes are available:

- First prize (the team that completes the total distance in the fastest time)
- Second prize
- Third prize

In addition the following prizes will be awarded.

- The **innovation prize** will be awarded on the basis of a report taking into account aspects such as durability, ingenuity and originality. All competitors will receive a memento. Each day a leg winner will be honoured. In all categories the following prizes will be awarded:
- **Encouragement prize** for the team that deserves the strongest encouragement to participate in the next edition of the race.
- **Consolation prize** for the team with the worst spell of bad luck during the entire race.
- A prize for the team that stands out with respect to **fair play**.

All competitors are eligible for these four awards. They will also receive a memento recognising their participation in the 2010 Frisian Solar Challenge.

To determine the final standings the total amount of sailing time will be calculated. The prize giving ceremony will be held on Saturday evening 10 July 2010.

21. DISCLAIMER OF LIABILITY

Competitors participating in the event do so entirely at their own risk.

The organizing authority 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. Neither does the organising authority accept any liability in any way whatsoever for damage suffered by a fast-travelling official rubber boat. Competitors shall sign a declaration in respect of this disclaimer.

22. INSURANCE

The organisers of the Frisian Solar Challenge have taken out a collective liability insurance for all the boats of the competing teams and for all the boats of the supervisors for the duration of the event.

This insurance commences on the day of arrival on the event premises until the moment of departure (from 30 June at the earliest up to and including 11 July 2010 at the latest). This insurance only covers damage that is inflicted on third parties. Damage to the boat(s) of the person(s) causing the damage is not covered.

APPENDIX A

Leg checks. Identifiable by an FSC vlag (RI 14.4.)

1st Leg **Leeuwarden – Sneek - Sloten** : Length leg is almost 50 km.

At 10 km there is a checkpoint that shall be passed before 11.15 hours (1 hour and 15 minutes, average speed 8 km/hr).

Location: 764 m after the Wiedumerhout bridge on the Zwette
53°08.54.62" N. - 5° 45.44.24" E.

2nd Leg **Sloten - Stavoren - Bolsward**; Length leg is 51 km. There are two checkpoints.

1. Stavoren: latest time to pass 12.10 hrs at 25 km (3 hours and 10 minutes)

52°52.50.52" N. - 5° 21.49.82" E.

2. Workum; latest time to pass 16.30 hours at 46.4 km

52°58.55.01" N. - 5° 27.27.84" E.

3rd Leg **Bolsward – Harlingen - Franeker**;

Length leg is 30 km. There is one check / Finish in Harlingen: Finish closes at 14.30 at 19.2 km.

Restart Harlingen is at 15.00 hours.

53° 10'16.49" N - 5° 25'26.04" E

4th Leg **Franeker – Leeuwarden – Birdaard - Dokkum**;

Length leg is 47 km and one checkpoint Prinsentuin in Leeuwarden.

Leeuwarden: latest time to pass is 12.50 hrs 25.2 km

53° 17'37.93" N - 5° 52'38.86" E

5th.Leg **Dokkum - Leeuwarden**;

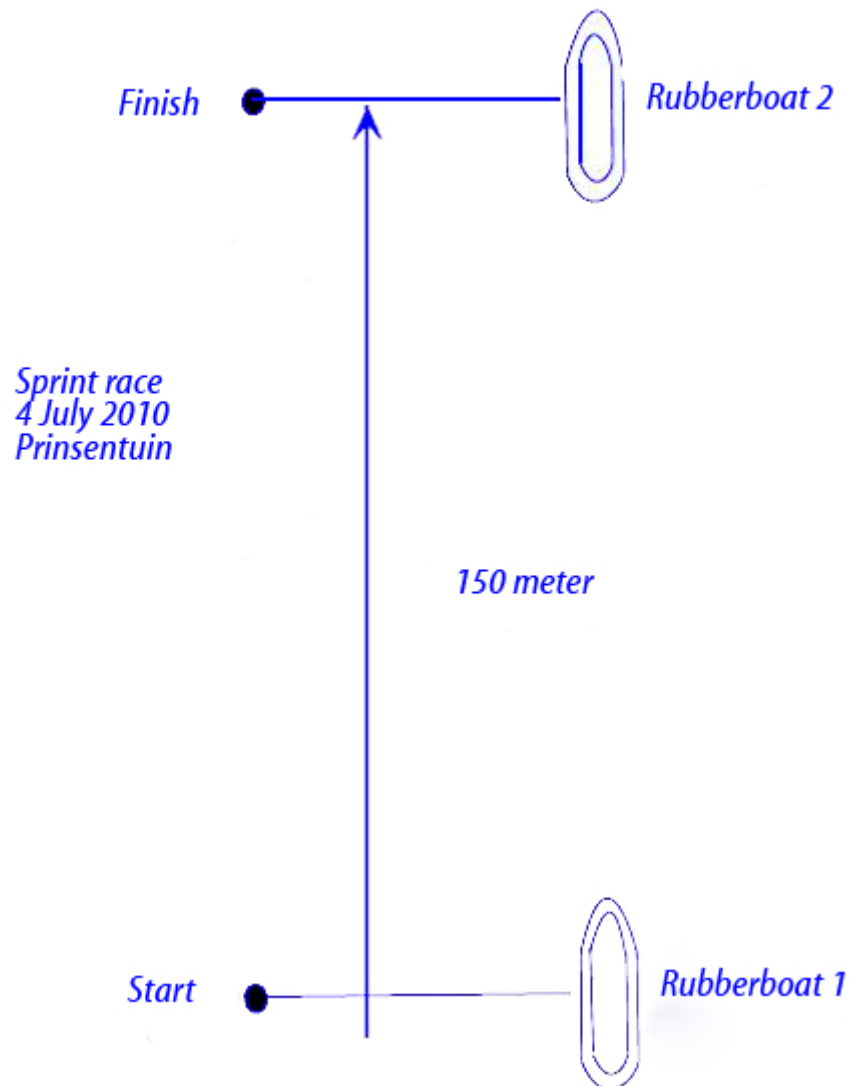
Length leg is 25 km. There is one check / Finish at the Grote Wielen.

Finish closes at 14.30 hours at 20 km Restart is at 15.00 hours.

53° 13'13.80" N - 5° 51'10.48" E

APPENDIX B

150 meter sprint



APPENDIX C

