



# ROYAL BELGIAN SAILING CLUB vzw

since 1863



## EUROPEAN LASER MASTER CHAMPIONSHIP

### SAILING INSTRUCTIONS

Venue: RBSC, Beach Club Duinbergen.

Dates: 28<sup>th</sup> of June to 4<sup>th</sup> of July 2014

Organizing Authority: Royal Belgian Sailing Club and EurILCA



#### 1. RULES

- 1.1. The rules as defined in the ISAF Racing Rules of Sailing 2013-2016 (RRS) and their amendments.
- 1.2. The prescriptions of the national authority will not apply
- 1.3. Appendix P will apply as amended in SI 19
- 1.4. Advertising - The organizing authority may require competing boats to carry event sponsor advertising.

#### 2. DISCLAIMER OF LIABILITY / RISK STATEMENT

Rule 4 of the Racing Rules of Sailing states: "The responsibility for a boat's decision to participate in a race or to continue racing is hers alone."

Sailing is by its nature an unpredictable sport and therefore inherently involves an element of risk. By taking part in the event, each competitor, each parent present or not, each coach agrees and acknowledges that:

- a) They are aware of the inherent element of risk involved in the sport and accept responsibility for the exposure of themselves, crew and their boat to such inherent risk whilst taking part in the event;
- b) They are responsible for the safety of themselves, crew and their boat and their property whether afloat or ashore;
- c) They accept responsibility for any injury, damage or loss to the extent caused by their own actions or omissions;
- d) Their boat is in good order, equipped to sail in the event and they are fit to participate;
- e) The provision of a race management team, patrol boats and other officials and volunteers by the event organizer does not relieve them of their own responsibilities;
- f) The provision of patrol boat cover is limited to such assistance, particularly in extreme weather conditions, as can be practically provided in the circumstances;
- g) Their boat is adequately insured.

#### 3. ENTRY REGULATIONS

- 3.1. Only current fully paid members of the International Laser Class Association may enter the regatta. These memberships shall be with the Laser Fleet/District Association and with the ISAF National Authority of the country, where the sailor normally sails, even though such place may not be his permanent residence; however, such member, for any valid reason and with the approval of both District Chairmen, may select instead the Fleet/District and the ISAF National Authority in which he has permanent residence in accordance with the ILCA constitution article 10 (3) and ILCA rule part two article 9. The sailor can only be member of one Laser Fleet/District Association. The ISAF number of the sailor must be with the ISAF National Authority as defined above. During registration each sailor will be required to show clear written evidence of current membership of their national Laser Association. If a sailor is unable to present this, he/she will be charged a fee of € 70, € 10 of which will be retained by the collecting club and € 10 by ILCA, to cover administration. € 50 will be passed on to the sailor's district, who may refund it to the sailor if he/she is already a current member, or may put it towards that sailor's membership fee if he/she is not a member.





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3.2. Competitors shall reach the following ages during the championship:

Age Group	Masters Category
35 to 44	Laser Standard Apprentice Master Laser Radial Apprentice Master Laser 4.7 Apprentice Master (Women only)
45 to 54	Laser Standard Master Laser Radial Master Laser 4.7 Master (Women only)
55 to 64	Laser Standard Grand Master Laser Radial Grand Master Laser 4.7 Grand Master (Women only)
65 and over	Laser Radial Great Grand Master Laser 4.7 Great Grand Master (Women only)

3.3. Crew substitution is not permitted.

3.4. Sailors who have not completed registration at the venue will not be scored.

## 4. NOTICES TO COMPETITORS

4.1. Notices to competitors will be posted on the official notice board located near the race office.

4.2. The Race Office is located at the Beach Club.

4.3. The Race Office is open:

28 June from 10 till 18 hours

29 June to 4 July from 90 minutes before the first scheduled start until completion of hearings unless extended at the discretion of the race committee.

## 5. CHANGES IN SAILING INSTRUCTIONS

Any change to the sailing instructions will be posted at least 15 minutes before code flag G is hoisted, except that any change to the schedule of races will be posted by the end of the last protest time limit or 19:00, whichever is later, on the day before it will take effect.

## 6. REGISTRATION / EQUIPMENT / INSPECTION

6.1. Competitors shall register at the race office and complete all required registration, measurement and inspection formalities before racing.

6.2. Measurement / Inspection will take place at the boat park between at the following dates: Saturday – Sunday 28th -29th June between the hours of 10 and 17 hours. The boat must be showed full rigged.

6.3. Measurement / Inspection outside these times will only be possible at the discretion of the regatta measurer and on payment of € 30.

6.4. Wet clothing, measurement and equipment checks may be made throughout the regatta at the discretion of the official measurer, class representative, race committee or the jury.

## 7. MEASUREMENT PROTEST

7.1. Equipment protests will only be accepted from either the race committee or jury. This changes rule 60.2(a).

7.2. If a boat is sailed without a centreboard stopper, or with no mast retention line attached (class rule 3(b) xi), a scoring penalty of 20 points will, without a hearing, be added to the boats score in the last completed race in which she was racing without a centreboard stopper or the retention line. However, she shall not be scored worse than DSQ. This changes rule 63.1.

7.3. If a sail, top mast, or bottom mast has been changed prior to a race without the permission required, the sailor will be disqualified without a hearing from the last completed race when the change was used. This changes rule 63.1.

7.4. For any other measurement protest, the jury may apply an alternative penalty to disqualification.





# ROYAL BELGIAN SAILING CLUB vzw

since 1863

## 8. BOATS AND EQUIPMENT

- 8.1. All competitors shall use only one hull, sail, mast, boom, centreboard and rudder.
- 8.2. In the event of damage, boats and equipment may only be substituted with the written permission of the Race Committee. If the damage occurs later than 2 hours before the first scheduled start on a racing day and before the start of the last race of the day, provisional verbal permission shall be obtained from the Regatta Measurer, Jury or Race Committee and the written permission of the Regatta Measurer, Jury or Race Committee shall be applied for before the end of Protest Time at the end of the day in which the substitution takes place.
- 8.3. Women competitors shall place a red diamond on each side of their sail (back to back) in compliance with class rule 4(g). The diamond shall be 240mm high and 180mm wide +/- 5mm and shall be located in the centre of the sail immediately above the top batten in accordance with Laser class rule 4(g). Please see [http://www.laserinternational.org/information/red\\_diamonds.pdf](http://www.laserinternational.org/information/red_diamonds.pdf) for more information.
- 8.4. When ashore boats shall be kept in their assigned places at the venue.
- 8.5. Boats may be required to display bow numbers
- 8.6. Boats may be required to carry cameras, sound equipment or positioning equipment as specified by the organizing authority.

## 9. RACE FORMAT

- 9.1. Women sailing Radial start together with the men in the Laser Radial.
- 9.2. The Laser 4.7's respectively will have separate starts if there are 5 boats or more. For 4 or less boats Laser 4.7's start with the Radial fleet. Separate rankings for both fleet will be calculated.

## 10. PROGRAMME, SOCIAL, START TIME AND STARTING SEQUENCE

- 10.1. The first race of the day is scheduled at 12 o'clock, except for the practice race, which is scheduled June 29<sup>th</sup> at 16.00.
- 10.2. The starting schedule of the first day is first standard, second radial, third 4.7, except when one fleets gets behind on the schedule of the other fleet.
- 10.3. 2 races are scheduled per day back to back. One (1) extra race per day may be sailed, provided that no class becomes more than one ahead of schedule and the change is made according to SI 5.
- 10.4. Any race for which a warning signal is not given by 15:00 on the last day of the regatta will be abandoned and not re-sailed.
- 10.5. A total of maximum 10 races will be sailed.
- 10.6. The opening ceremony will take place on Sunday 29<sup>th</sup> at 19 hours on the beach  
.A free dinner for the participants will take place on Wednesday 2<sup>nd</sup> at +-19 hours on the beach  
The prize giving ceremony will take place on Friday 4<sup>th</sup> at +-17 hours on the beach.

## 11. CLASS FLAGS AND FLEET IDENTIFICATION

- 11.1. The Class Flags for the fleets will be:
  - L Std white flag with red Laser logo
  - L R green flag with red Laser logo
  - L 4.7 yellow flag with red Laser logo
- 11.2. Each boat in the following fleets shall display a coloured band, issued at registration, on her bottom mast between the vang fitting and the boom corresponding to the colour of the fleet in which the competitor is sailing as follows:
  - Apprentices: Green
  - Masters: Red
  - Grand Masters: Blue
  - Great Grand Masters: YellowThose competitors, who require them, can collect the band from the Measurers.

## 12. SIGNALS MADE ASHORE AND COURSE AREA





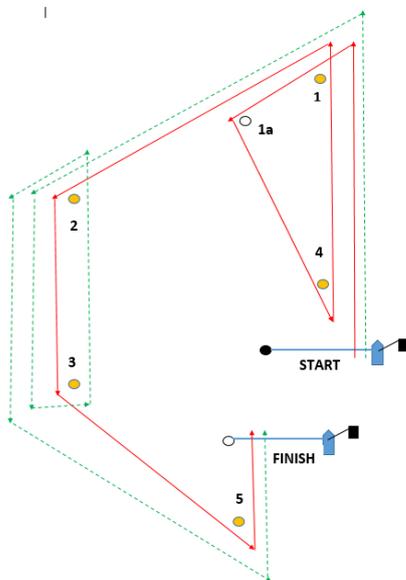
- 12.1. Signals made ashore will be displayed on the flag pole located near the race office.
- 12.2. When flag G is displayed boats are requested to proceed to the racing area. The race committee intends to start the race in 45 minutes (warning signal in 40 minutes).
- 12.3. AP displayed ashore with two sounds (one when lowered) means “The race is postponed. The first warning signal will be made not less than 40 minutes after AP is lowered.”
- 12.4. The approximate position of the course area will be in front of the RBSC Beachclub.

## 13. THE COURSE

- 13.1. The diagram shows the course, the order in which marks are to be passed and the side on which each mark is to be left. The leg between mark 3 and mark 5 may be laid shorter than the leg between mark 1 and mark 2 so that the finish line is not directly to leeward of the start line

Outer (1<sup>st</sup> and 3<sup>rd</sup> start): 1, 2, 3, 2, 3, 5, FINISH

Inner (2<sup>nd</sup> start): 1, 1A, 4, 1, 2, 3, 5, FINISH



- 13.2. The length of the course will be set for a target time of 60 minutes. Failure to meet the target time will not be grounds for redress.
- 13.3. The course may be shortened to finish at a rounding mark provided 4 or more legs have been completed on an outer course and at least 3 or more legs have been completed on an inner course (excluding the leg between mark 1 and mark 1A).

## 14. MARKS

- 14.1. Standard marks will be spherical ORANGE buoys
- 14.2. The port end starting mark will be cylindrical BLACK buoy
- 14.3. The port end finishing mark will be a cylindrical WHITE buoy
- 14.4. Mark 1A will be a WHITE buoy
- 14.5. The alternate mark will be a red plastic buoy

## 15. THE START

- 15.1. The flags used as preparatory signal will be P, U or black.
- 15.2. If flag U has been displayed as the preparatory signal, no part of a boat's hull, crew or equipment shall be in the triangle formed by the ends of the starting line and the first mark during the last



# ROYAL BELGIAN SAILING CLUB vzw

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minute before her starting signal. If a boat breaks this rule and is identified, she shall be disqualified without a hearing but not if the race is restarted or resailed or postponed or abandoned before the starting signal. This changes rule 26 Starting Races and RRS 63.1. When flag U is used as the preparatory signal rule 29.1 Individual recall does not apply. The scoring abbreviation for a flag U penalty is UFD. This changes A11 Scoring Abbreviations.

- 15.3. To inform boats that a start, or sequence of starts, will be given, an orange flag will be shown for at least 4 minutes.
- 15.4. The starting line will be between staffs displaying orange flags on the race committee boat and the starting mark
- 15.5. Boats whose warning flag has not been displayed shall keep clear of the starting line between the warning and starting signals of the other fleet's start. Please check SI 26.5.
- 15.6. A boat that starts more than 4 minutes after her starting signal will be scored DNS without a hearing

## 16. CHANGE OF THE NEXT LEG OF THE COURSE

A change of the next leg of the course will be attempted by changing the position of the original mark. When this is not possible the course will be reset using one alternate mark (described in SI 14.5). A boat shall not request redress under 60.1 (b) because of an action or no action by the race committee under this instruction.

## 17. ABANDONING A RACE

Under rule 32.1, the race committee may abandon the race because of a major wind shift or irregular winds or when the wind speed drops below 5 knots (2.5 m/s) as measured by the race committee. A boat shall not request redress under 60.1(b) because of an action or no action by the race committee under this instruction.

## 18. THE FINISH

The finishing line will be between a staff displaying an blue flag on a race committee boat and the finishing mark

## 19. PENALTY SYSTEM FOR BREACHES OF RULE 42

19.1. Appendix P will apply with the following changes:

- (a) If a first penalty is signalled after a boat has finished, the boat will be given a scoring penalty of 8 points without a hearing.
  - (b) Appendix P3 is replaced with "If a boat has been penalised for the first time under Appendix P1 and the race committee signals a postponement, general recall or abandonment before the boat has had an opportunity to take a penalty, the penalty is cancelled, but it is counted to determine the number of times she has been penalised during the regatta."
  - (c) Appendix P4 is replaced with "An action by the jury under Appendix P shall not be grounds for a request for redress by a boat. The jury may initiate a redress hearing and may give redress for an action by a member of the jury or its designated observer under rule P1". This changes rule 60.1(b).
- 19.2. A boat that has either retired from or been disqualified in a race for a breach of rule 42 shall not compete in that race if it is restarted or resailed. For the purposes of this instruction a race is 'restarted or resailed' when it has the same race number as a previously abandoned or recalled race, even if the race is resailed on a later date, or is resailed as part of a final series instead of a qualifying series. If she competes, she shall be disqualified (score not excludable) without a hearing and the jury will consider calling a hearing under rule 69.1(a). This does not apply when the disqualification is the result of the boat's first penalty, and she was not informed of the disqualification prior to the restart or resail. This changes rule 36.



# ROYAL BELGIAN SAILING CLUB vzw

since 1863

This means:

Yellow Flag	Immediate penalty action by boat	After a general recall or a postponement or an abandonment	No action by boat	After a general recall or a postponement or an abandonment
1st	Two turns/ 8 points (SI 18.1(a))	Can restart	DSQ	Shall not restart if notified of the DSQ.
2nd	Retire (DNF)	Shall not restart	DNE	Shall not restart
3 <sup>rd</sup> +	Retire (DNE)	Shall not restart	DNE Regatta	Shall not restart

## 20. TIME LIMIT

Boats failing to finish within 20 minutes of the time the first boat sails the course will be scored DNF without a hearing. When the first boat of the class sails more than 60 minutes to complete the race, the time limit mentioned above will be 1/3 of the time needed by the first boat. This changes RRS 35 an A4 and A5.

## 21. PROTESTS

- 21.1. The protest time limit will be 60 minutes after the last of each fleet has finished or retired. Protests shall be in writing and delivered to the race office within the protest time limit. Protest forms will be available at the race office. The protest time limit will be posted on the official notice board by the jury and may be different for each fleet.
- 21.2. Protest notices will be posted within 30 minutes of the protest time limit. Protests will be heard at the jury office located near the Club House.
- 21.3. Notices of protests by the race committee or jury will be posted before the end of the protest time limit to inform boats under rule 61.1(b).
- 21.4. If Appendix N1.4 (b) applies, the time limit for requesting a hearing under that rule is 30 minutes after the party was informed of the panel's decision.
- 21.5. On the last scheduled day of racing a request for a reopening of a hearing shall be delivered:
  - Within the protest time limit if a party to a protest requesting reopening was informed of the decision on the previous day;
  - No later than 30 minutes after the decision is posted;
  - If no racing has taken place on that day, no later than 30 minutes after 'AP over A' is displayed ashore.

This changes RRS 66.

- 21.6. On the last scheduled day of racing, a request for redress based on a jury decision shall be delivered no later than 30 minutes after the decision was posted. This changes rule 62.2.
- 21.7. Breaches of instructions 1.4, 6, 7, 10, 15.5, 26 and 27 will not be grounds for a protest by a boat. This changes rule 60.1(a). For these breaches the jury may apply a lesser penalty in place of disqualification.
- 21.8. To request correction of an alleged error in posted race results, a boat shall complete a scoring enquiry form available at the race office.
- 21.9. A list of boats that have been penalised for breaking rule 42 will be posted after racing each day.
- 21.10. The jury will not consider claims for damages arising from incidents involving boats bound by the rules.

## 22. ARBITRATION SYSTEM

As an alternative to a protest hearing by the jury for an alleged breach of a rule of Part 2, boats may be given the choice of using an arbitration procedure in accordance with the ILCA Arbitration Procedure appended to these sailing instructions. The arbitration procedure changes rules 63 and 64.



# ROYAL BELGIAN SAILING CLUB vzw

since 1863

## 23. WHISTLE SYSTEM

To encourage boats to take penalties afloat, jury members may blow a whistle when they see what they believe to be a breach of a rule.

## 24. SCORING

- 24.1. A total of three races are required to be completed to constitute a championship.
- 24.2. When from four to eight races have been completed one race score will be excluded.
- 24.3. When from nine to ten races have been completed two races scores will be excluded.
- 24.4. The ranking is per age/rig category as defined in SI 25.1 and will be **extracted** from the overall position in the Laser Standard, Laser Radial and Laser 4.7 fleet unless there is more than one start in the Laser Standard or Laser Radial or Laser 4.7 when the ranking will be **extracted** from the overall position in the starting fleet. The points obtained in the starting fleet will remain the same.
- 24.5. A separate ranking will be **extracted** from each age category for the Laser Radial women.
- 24.6. The Laser 4.7 fleet is only open to women.
- 24.7. If a points scoring penalty for a breach of rule 42 or under the Arbitration System would result in a score worse than DSQ, the penalty will be that corresponding to DSQ. The scores of other boats will not be changed

## 25. PRIZES

- 25.1. Prizes will be awarded in the following categories.

### Standard Fleet:

- Laser Apprentice Standard (35 to 44 years)
- Laser Master Standard (45 to 54 years)
- Laser Grand Master Standard (55 to 64 years)

### Laser Radial Fleet:

- Laser Apprentice Radial Men (35 to 44 years)
- Laser Apprentice Radial Women (35 to 44 years)
- Laser Master Radial Men (45 to 54 years)
- Laser Master Radial Women (45 to 54 years)
- Laser Grand Master Radial Men (55 to 64 years)
- Laser Grand Master Radial Women (55 to 64 years)
- Laser Great Grand Master Radial Men (from 65)
- Laser Great Grand Master Radial Women (from 65)

### Laser 4.7:

- Laser 4.7 Women Overall

- 25.2. ILCA Cubes will be awarded in each category subject to ILCA Honour Awards By Law. When ILCA Cubes cannot be awarded an ILCA Plaque will be awarded instead.

## 26. TEAM AND SUPPORT BOATS

- 26.1. Team and support boat drivers shall register their boats at the race office and submit the names and sail numbers of the sailors they are supporting.
- 26.2. Each coach/support boat shall be clearly identified with a yellow jacket issued by the organizers (10€, will be refund at the end). No other individual support boats shall be used.
- 26.3. A registered coach/support boat shall carry at least three hazard warning tapes for the purposes of SI 27.6. The tape is available from the race office.
- 26.4. Each coach/support boat is recommended to carry a VHF radio and a mobile phone. The VHF channel used is 72
- 26.5. Except when participating in rescue operations, sailors not racing, team leaders, coaches, parents and other support personnel (coach/support boats) shall stay more than 100 meters from any point where a boat might sail during normal racing and completely outside the area bounded by marks 1, 2, 3, and 4 from the time of the preparatory signal for the first fleet to start until all boats have finished or the race committee signals a postponement or abandonment of all fleets. When



# ROYAL BELGIAN SAILING CLUB vzw

since 1863

boats are finishing coach/support boats shall stay more than 100 meters outside and to windward of the starboard end of the finish line until all boats in all fleets have finished.

Note: To be certain of not breaching this instruction coach/support boats are advised to anchor at least 150 metres outside the starboard end and below the extension of the starting line.

- 26.6. If a coach/support boat does not comply with instructions 26.2, 26.3 or 26.5 a discretionary penalty may be applied by the jury to some or all associated competitors and may include restrictions on the movement of their coach/support boat.

## 27. SAFETY

- 27.1. Competitors shall wear personal flotation devices at all times when afloat, except briefly when changing or adjusting clothing or personal equipment. Wet suits and dry suits are not personal flotation devices. This changes rule RRS 40.
- 27.2. When flag "W" is displayed on any Race Committee boat and / or the Race Committee Signal Boat,, all coaches and support boats are permitted to enter the race area and shall cooperate with the race committee in rescue assistance. The words "whiskey procedure" will be announced over VHF 72.
- 27.3. Competitors who require assistance from rescue boats should wave one arm with hand open. If no assistance is required, the arm should be waved with fist closed.
- 27.4. If considered necessary a competitor may be ordered by a race organisation boat to abandon his or her boat and board a rescue boat.
- 27.5. A boat that retires from a race shall notify a race committee or jury boat as soon as possible or the race office immediately after returning to the shore.
- 27.6. If a boat is abandoned it will be marked with a hazard tape tied through the bow eye to signal that the sailor is safe.

## 28. RUBBISH/TRASH DISPOSAL

As sailors, we respect our environment and seek to protect and restore our boat park, shore, coastal waters and oceans. Sailors shall always use trash bins ashore and shall not intentionally put trash in the water. Trash may be placed aboard support and race committee boats.

Any breach of RRS 55 will be taken seriously by the jury.

## 29. PHOTOGRAPHY CONSENT

By entering the Championships competitors accept that they may be photographed and/or videotaped participating in the race and/or using the Championship facilities and they consent to the taking of such images and to the use, reuse, publication and republication of such images in any media, in conjunction with the competitors name or not, without compensation and without the competitors approval of such images or any use thereof.

## 30. COMMITTEE BOATS

- 30.1. Each race committee boat **will** display a "RC" flag
- 30.2. Rescue boats **will** display a "RC" flag
- 30.3. Jury boats **will** display a "Jury" flag

## Addendum 1

### International Laser Class Association Arbitration Procedure

#### 1. Introduction

- 1.1 This addendum applies when an arbitration procedure is used as an alternative to a protest hearing.
- 1.2 Arbitration is a quicker procedure providing lower penalties for any breach of the rules eligible for arbitration.

#### 2. Declining Arbitration

- 2.1 When a party to the protest does not agree to arbitration the protest will be heard by a full panel.



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## 3. Accepting Arbitration

- 3.1 When both parties to the protest agree to arbitration they each agree;
- that the protest is valid; and
  - to accept the arbitration decision as binding; and
  - that no witnesses will be heard during the arbitration; and
  - questions by parties will be limited to those necessary to establish the basic facts found.
- 3.2 When a party to the protest informs the jury that they do not wish to attend a hearing that party will be deemed to have agreed to arbitration.

## 4. Arbitration Hearing

- 4.1 The arbitrators will be two members of the jury.
- 4.2 The arbitrators will hear the testimony of the parties and then give one of the following decisions:
- There was no breach of a rule by either boat; or
  - One or both boats broke a rule of Part 2 and the Arbitration Penalty will be applied, or
  - The case will be referred to a protest hearing.

## 5. Arbitration Penalty

- 5.1 An Arbitration Penalty (ARB) will be a scoring penalty of 30% (rounded up to the next whole number) of the number of entries.
- 5.2 If a points scoring penalty under the arbitration procedure would result in a score worse than DSQ, the penalty will be that corresponding to DSQ.
- 5.3 The scores of other boats will not be changed.
- 5.4 For the purposes of Appendix A4.2 "Scoring" when a qualifying/final series is sailed the number of boats entered into a qualifying series race will be the number of boats assigned to the largest qualifying fleet.

## 6. Protest Hearings

- 6.1 If the arbitrators have referred the case to a protest hearing, or if the jury initiates a reopening, any penalty given for a breach of a rule of Part 2 will be the Arbitration Penalty.
- 6.2 If hearing is reopened at the request of a party to the protest under rule 66 (Reopening a hearing) any penalty given may be an Arbitration Penalty or disqualification at the discretion of the jury.
- 6.3 The panel for protest hearings held under 6.1 & 6.2 of this addendum may include one or both of the arbitrators.

**THE ORGANIZING AUTHORITY WISHES YOU A PLEASANT REGATTA.  
WITH MANY THANKS TO OUR SPONSORS!**

### Officials :

#### Race Committee

Peter Van den Bossche ISAF IRO  
Glenn Liekens NRO  
Paul Charlier NRO  
Kim Torbeyns DRO  
Chantal Charlier  
Claude Bergmans  
Bea Desmet



#### Jury

Ronnie McCracken HKG (Chair) ISAF IJ  
Frank Cleeren BEL (Vice Chairman) ISAF NJ  
Peter Johnson GBR ISAF IJ  
Peter Copper NED ISAF IJ  
Vic Desmet BEL ISAF IJ  
An Van Landeghem (secretary DJ)

**Safety :** The following numbers can be reached:

**Robby beachmaster Duinbergen** +32495202903  
**Sven beachmaster Het Zoute** +32475928005





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Beachclub Duinbergen  
Beachclub Het Zoute

+3250515593  
+3250621171

**Zeebrugge juni 2014**

Datum	Hoogwater		Laagwater		Datum	Hoogwater		Laagwater	
	u.min	m TAW	u.min	m TAW		u.min	m TAW	u.min	m TAW
01 zo	04:36	4.29	10:45	0.61	16 ma	04:23	4.63	10:45	0.40
	16:54	4.15	23:07	0.41		16:45	4.42	23:12	0.16
02 ma	05:13	4.18	11:17	0.72	17 di	05:11	4.57	11:33	0.48
	17:29	4.03	23:41	0.50		17:33	4.35	-	-
03 di	05:49	4.07	11:50	0.82	18 wo	06:03	4.48	00:03	0.18
	18:04	3.93	-	-		18:26	4.25	12:24	0.57
04 wo	06:28	3.95	00:18	0.61	19 do	07:00	4.36	00:57	0.22
	18:43	3.81	12:28	0.92	LK	19:25	4.14	13:20	0.66
05 do	07:14	3.85	00:59	0.72	20 vr	08:06	4.23	01:56	0.28
EK	19:34	3.70	13:16	1.03		20:31	4.04	14:21	0.75
06 vr	08:16	3.76	02:11	0.82	21 za	09:13	4.12	02:58	0.36
	20:43	3.62	14:31	1.11		21:40	3.98	15:26	0.81
07 za	09:26	3.75	03:27	0.83	22 zo	10:22	4.06	04:03	0.43
	21:53	3.64	15:51	1.07		22:50	3.99	16:35	0.82
08 zo	10:30	3.84	04:26	0.76	23 ma	11:31	4.08	05:11	0.48
	22:55	3.77	16:51	0.95		23:57	4.07	17:47	0.76
09 ma	11:27	4.00	05:19	0.65	24 di	-	-	06:17	0.49
	23:49	3.97	17:45	0.79		12:33	4.16	18:50	0.64
10 di	-	-	06:10	0.52	25 wo	00:55	4.19	07:13	0.49
	12:19	4.18	18:35	0.62		13:24	4.24	19:41	0.54
11 wo	00:39	4.17	06:57	0.41	26 do	01:43	4.28	08:00	0.52
	13:06	4.34	19:23	0.47		14:07	4.27	20:23	0.46
12 do	01:25	4.36	07:43	0.33	27 vr	02:25	4.32	08:39	0.57
	13:50	4.44	20:08	0.35	NM	14:46	4.27	21:01	0.42
13 vr	02:09	4.50	08:28	0.29	28 za	03:00	4.32	09:14	0.62
VM	14:32	4.50	20:53	0.26		15:22	4.26	21:36	0.39
14 za	02:53	4.59	09:13	0.29	29 zo	03:40	4.31	09:46	0.65
	15:15	4.51	21:38	0.20		15:57	4.24	22:10	0.37
15 zo	03:37	4.63	09:58	0.33	30 ma	04:15	4.29	10:18	0.66
	15:59	4.48	22:24	0.17		16:30	4.21	22:43	0.37

Tijden zijn in M.E.T. (Midden-Europese tijd). Tijden op blauwe achtergrond zijn in zomertijd.

**ZEEBRUGGE** <sup>59</sup>



Vlaamse  
overheid

**Zeebrugge juli 2014**

Datum	Hoogwater		Laagwater		Datum	Hoogwater		Laagwater	
	u.min	m TAW	u.min	m TAW		u.min	m TAW	u.min	m TAW
01 di	04:49	4.26	10:50	0.67	16 wo	04:55	4.76	11:16	0.37
	17:02	4.19	23:17	0.39		17:16	4.60	23:46	-0.01
02 wo	05:22	4.23	11:23	0.69	17 do	05:45	4.68	-	-
	17:35	4.16	23:52	0.44		18:06	4.52	12:05	0.43
03 do	05:57	4.20	-	-	18 vr	06:38	4.54	00:37	0.06
	18:10	4.12	12:00	0.73		19:00	4.39	12:55	0.53
04 vr	06:37	4.16	00:30	0.51	19 za	07:36	4.35	01:30	0.18
	18:53	4.06	12:41	0.79	LK	20:00	4.22	13:50	0.67
05 za	07:25	4.09	01:16	0.59	20 zo	08:40	4.15	02:28	0.36
EK	19:46	3.97	13:32	0.88		21:07	4.04	14:53	0.81
06 zo	08:25	4.00	02:15	0.68	21 ma	09:49	3.97	03:34	0.55
	20:52	3.88	14:39	0.96		22:20	3.92	16:07	0.89
07 ma	09:34	3.95	03:29	0.73	22 di	11:04	3.91	04:44	0.68
	22:03	3.87	16:00	0.96		23:36	3.95	17:23	0.87
08 di	10:41	3.97	04:36	0.70	23 wo	-	-	05:55	0.72
	23:09	3.95	17:07	0.86		12:14	3.98	18:33	0.75
09 wo	11:44	4.07	05:35	0.62	24 do	00:41	4.08	06:57	0.71
	-	-	18:06	0.72		13:09	4.10	19:27	0.62
10 do	00:09	4.12	06:30	0.54	25 vr	01:30	4.20	07:45	0.70
	12:39	4.20	19:00	0.56		13:52	4.19	20:10	0.53
11 vr	00:59	4.31	07:21	0.46	26 za	02:10	4.27	08:22	0.72
	13:29	4.34	19:49	0.40	NM	14:29	4.24	20:45	0.47
12 za	01:51	4.49	08:09	0.40	27 zo	02:46	4.31	08:53	0.72
VM	14:14	4.45	20:36	0.26		15:02	4.28	21:17	0.42
13 zo	02:36	4.63	08:55	0.36	28 ma	03:19	4.35	09:22	0.68
	14:59	4.54	21:23	0.14		15:34	4.32	21:47	0.36
14 ma	03:22	4.73	09:41	0.34	29 di	03:51	4.39	09:51	0.61
	15:43	4.60	22:10	0.04		16:04	4.36	22:18	0.30
15 di	04:08	4.78	10:28	0.34	30 wo	04:23	4.43	10:24	0.55
	16:28	4.62	22:57	-0.01		16:35	4.39	22:51	0.28
					31 do	04:54	4.45	10:59	0.53
						17:07	4.42	23:26	0.30

Tijden zijn in M.E.T. (Midden-Europese tijd). Tijden op blauwe achtergrond zijn in zomertijd.

**ZEEBRUGGE** <sup>60</sup>

