The Nacra 17 was designed in 2012 by Morelli & Melvin and Nacra and was adopted as a World Sailing class in 2013
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INTRODUCTION

This introduction only provides an informal background and the International Nacra 17 Class Rules proper begin on the next page.

Nacra 17 hulls, hull appendages, cross beams, trampoline, rigging and sails are manufacturing controlled.

Nacra 17 hulls, hull appendages, cross beams, trampoline, rigging and sails shall only be manufactured by Nautical Sports BV— in the class rules referred to as ‘Nacra licensed suppliers’. Equipment is required to comply with the International Nacra 17 Building Specification and is subject to a World Sailing approved manufacturing control system.

Nacra 17 hulls, hull appendages, cross beams, trampoline, rigging and sails may, after having left the manufacturer, only be altered to the extent permitted in Section C of the class rules.

Owners and crews should be aware that compliance with rules in Section C is the responsibility of the competitor, as this is NOT checked as part of the in house certification process.

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.

PLEASE REMEMBER:

THESE RULES ARE CLOSED CLASS RULES WHERE IF IT DOES NOT SPECIFICALLY SAY 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 ISAF International Sailing Federation (renamed World Sailing)
MNA World Sailing Member National Authority
NS Nautical Sports bv
also referred in the rules as NACRA the copy right holder.
IN17CA International Nacra 17 Class Association
NNCA National Nacra Class Association
ERS Equipment Rules of Sailing
RRS Racing Rules of Sailing
IM International Measurer

A.3 AUTHORITIES
A.3.1 The international authority of the class is World Sailing which shall co-operate with the IN17CA in all matters concerning these Class Rules.
A.3.2 Notwithstanding anything contained herein, the certification authority has the authority to withdraw a certificate and shall do so on the request of World Sailing.

A.4 ADMINISTRATION OF THE CLASS
A.4.1 World Sailing has delegated its administrative functions of the class to the IN17CA.

A.5 CLASS RULES CHANGES
A.5.1 World Sailing Regulation 10.11 applies.

A.6 CLASS RULES AMENDMENTS
A.6.1 In accordance with World Sailing Regulations, amendments to the Class Rules require the approval of World Sailing after their adoption by a simple majority vote of the members in a general meeting of the IN17CA held in accordance with its constitution.
A.7 CLASS RULES INTERPRETATION
A.7.1 Interpretation of Class Rules shall be made in accordance with World Sailing Regulations in consultation with the IN17CA and NS.
A.7.2 Interpretation of Class Rules at an event shall be carried out in accordance with the RRS. The event organising authority shall inform World Sailing and IN17CA of any such interpretations.

A.8 INTERNATIONAL CLASS FEE AND BUILDING PLAQUE
A.8.1 The licensed manufacturer shall pay the International Class Fee.
A.8.2 World Sailing shall, after having received the International Class Fee for the hull, send the World Sailing Building Plaque to the licensed manufacturer.

A.9 LICENSED MANUFACTURER
A.9.1 Nacra 17 equipment shall only be manufactured by Nautical Sports BV and its appointed suppliers. except where otherwise authorized by these Class Rules.
Section B – Boat Eligibility

For a boat to be eligible for racing, it shall comply with the rules in this section.

B.1 CLASS RULES AND CERTIFICATION

B.1.1 The Boat shall:
(a) be in compliance with the Class Rules.
(b) have components of the Nacra 17 with valid identification stickers as required in Sections D,E,F,G and Appendix section H.

B.2 EVENT INSPECTION

B.2.1 A role of Equipment Inspectors at an event is to verify that equipment has been produced by a Licensed Manufacturer and has not been subsequently altered (other than as is permitted within these rules) using whatever inspection methods they deem appropriate, including comparison with a reference sample of the type of equipment presented for inspection. Should this comparison reveal deviation greater than the Equipment Inspector considers being within manufacturing tolerances, the matter shall be reported to the Race Committee. Such occurrences shall be reported to World Sailing and the IN17CA Technical Committee for investigation and a ruling on the eligibility of the equipment for racing.

B.3 EVENT LIMITATION MARKS

B.3.1 If an event uses event limitation marks these marks shall not be removed during the event. If the event limitation mark becomes damaged or lost this shall be reported to the Race Committee as soon as possible.
PART II – REQUIREMENTS AND LIMITATIONS

The crew and the boat shall comply with the rules in Part II when racing. In case of conflict Section C shall prevail.

The Class Rules in Part II are closed class rules, where anything that is not specifically allowed in Class Rules is prohibited.

Equipment control and 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 RULES
(a) RRS 49.1 is amended such that both members of the crew may use a trapeze.
Add to RRS 49.1; both crew must maintain contact between the boat and their body when using their trapezes.

C.1.2 LIMITATIONS
(a) The Nacra 17 shall only be raced with original or replacement equipment supplied by Nacra licensed suppliers only, except where otherwise authorized by these Class Rules.
(b) Where replacement equipment other than from Nacra licensed suppliers is authorized, it may be obtained from any supplier provided that the replacement is of a similar weight, size and type, performs the same function within the tolerances set by Appendix section H and I. Replacement fittings shall be fitted in the same position as the original fitting.
(c) Starting in 2019 a team racing a boat with original World Sailing/ISAF plaque number lower than (Older) 336 shall not be allowed to compete at Olympic games or in a Gold Fleet at a Class World Championship, excluding Junior World Championships.
Any team qualifying for gold fleet at a Class World Championship in one of these boats will be assigned to the silver fleet and scored as a silver fleet competitor.

C.2 CREW

C.2.1 LIMITATIONS
(a) The crew shall consist of one female person and one male person during World Championships, Continental Championships, World Cup Series and other World Sailing grade 1 and 2 events.

C.2.2 MEMBERSHIP
During World Championships, Continental Championships, World Cup Series and other World Sailing grade 1 and 2 events each crew member shall be a current member of the IN17CA.
C.3 PERSONAL EQUIPMENT

C.3.1 PERSONAL FLOATATION DEVICE

(a) When racing both crew shall wear a personal floatation device to the minimum standard ISO 12402-5 (Level 50 Newtons), or USCG Type III, or AUS PFD 1, or EN 393, unless an alternative standard is prescribed otherwise in the Notice of Race.

(b) The use of inflatable personal flotation devices is not permitted when racing.

(c) Each crew member shall wear a helmet that shall be to the minimum standard EN1385 or EN1077 or equivalent with at least 300 square centimeters of the exterior surface in a high visibility colour. When Flag T is flown by the Race Committee Rule C 3.1 (c) is suspended.

(d) Each crew member may wear body protection. If the body protection also acts as a personal flotation device it shall comply with Class Rule 3.1 (a).

(e) Each crew member shall carry a cutting device with a blade length of no more than 150mm.

C.4 ADVERTISING

C.4.1 Advertising as chosen by the Person in Charge is unrestricted as in accordance with World Sailing Regulation – Advertising Code 20.3.1.1. and 20.3.1.2

C.4.2 In accordance with World Sailing Regulation 20.5.4 the area on the jib, (except for the visibility window), is limited to Event Advertising. Event Advertising on the jib shall be displayed only where the event organiser has agreed such advertising with the class association and the requirement is published in the notice of race.

C.4.2 For the purpose of World Sailing Advertising Code, the gennaker shall be deemed a spinnaker.

C.5 PORTABLE EQUIPMENT

C.5.1 OPTIONAL

(a) Timing devices.

(b) One compass with bracket, which may include a timing device. If electronic, only a compass with heading, heading memory and timing functions is permitted.

(c) Spare parts and tools, removable for weighing.

(d) Camera recording equipment and attachments, where permitted by the Notice of Race and/or Sailing Instructions and removable for weighing.

C.6 BOAT

C.6.1 MODIFICATIONS

The following items may be obtained from any manufacturer or supplier unless stated otherwise.

(a) The use of the following items is in general unrestricted, except that such items shall not be used in such a way as to create a fitting or extend a function of a permitted fitting:

(i) shockcord, with a maximum diameter of 5 mm;
(ii) adhesive tape applied above the floatation trim achieved with the boat floating in condition for inspection of equipment including boat weight C.6.4.

(iii) rings

(iv) ropes of any length and diameter may be added as long as it does not create a new function to the boat.

(v) plastic balls

(vi) blocks with a maximum sheave diameter of 20mm may be added provided it does not create a new function.

(vii) Fasteners may be replaced or added if the function of the fitting or part is not altered and where required to facilitate a repair the fitting may be modified to accommodate slightly larger fixings

(b) To facilitate advertising, the application of vinyl, mylar or other plastic film over the surfaces of the hull, sails and spars, provided that the film shall not be specially textured or otherwise manufactured in a way that could improve the character of the flow of water or air inside the boundary layer.

(c) The righting line may be changed to a minimum diameter of 5 mm and a minimum length of 4500 mm, led under the trampoline with both ends fixed to the Front Cross Beam at either sides of the hulls and held under tension by the use of shockcord and rings.

(d) Any cleat including integrated fairlead may be replaced with a cleat of any material and substantially of the same size and design.

(e) Any block on the boat may be replaced with a block of the same number of sheaves with a sheave diameter tolerance as listed in appendix section H. With exception for the following:

   (1) The mainsheet system number of sheaves may be altered to achieve a maximum purchase of 12:1 and a minimum purchase of 10:1, only one ratchet block is allowed in the mainsheet system.

   (2) The block on the jib track car may have a double sheave block or single sheave block to create a 2:1 purchase, as listed in appendix section I.

   (3) The four supplied blocks for the Gennaker sheets, maybe changed to any type of block with a minimum sheave diameter of 38mm and a maximum of 60mm.

(f) Any attachment of blocks may be replaced. Attachments for blocks shall be of substantially the same size and design as the original.

C.6.2 MAINTENANCE

(a) Maintenance may be carried out provided that the essential shape, characteristics and function of the original component are not affected.

C.6.3 REPAIR

(a) All repairs require written approval. Approval may only be granted by the IN17CA Technical Committee. (measurement@nacra17.org)

(b) Permission to undertake a repair during an event may be granted by the event Technical Committee. The required written approval by the IN17CA Technical Committee may be granted after the event.
(c) Repairs shall not be used to reinforce an existing part and shall not alter the essential shape, characteristics and function of the original equipment.

C.6.4 WEIGHT
The weight of the boat in dry condition shall be a minimum of 163 kg. The weight of the boat shall be taken including: hulls, the fully assembled platform, hull appendages, rig including spars, spreaders, rigging, and fittings except those not permanently fixed, and excluding the tiller extension, sails and all portable equipment listed in C.5.1. The compass bracket shall be included if permanently fixed.

C.6.5 CORRECTOR WEIGHTS
(a) When the boat weight is less than the minimum requirement, Corrector weights of lead shall be permanently fastened to the inside of the dolphin Striker (V Bar) at locations avoiding the intersection of the front cross beam and the dolphin stricker rod. The location must allow to apply event limitation marks and allow visual inspections.
(b) Corrector weights shall not be tampered with or removed during the course of the regatta without the express permission of the event Technical Committee.
(c) The total weight of corrector weights shall not exceed 4kg for boats with original World Sailing / ISAF plaque number 336 or higher (newer) and shall not exceed 7 kg for boats older (lower) than 336. The weight of materials used to fasten the corrector weights shall not be included in the corrector weights calculation.

C.7 HULL
C.7.1 MODIFICATIONS
The following items may be obtained from any manufacturer or supplier unless stated otherwise
(a) Additional non-skid tape may be applied to:
   (i) the upper deck areas in front of the front cross beam
   (ii) the rear cross beam
   (iii) the upper deck areas behind the rear cross beam
   (iv) the front cross beam
(b) Wedges may be fitted under the rotation line clam-cleats.
(c) Stand-up springs or boots may be fitted between the gennaker blocks and the eye-straps on the deck.
(d) Four foot straps may be fitted to each hull, at least one of which, and no more than two, must be rear of the aft cross beam. The forward foot straps must only be anchored to the hull using the anchor points built into the hulls as supplied and/or anchored to the shroud base and/or anchored to the forward cross beam.
(e) No holes may be made in the hull or deck mouldings except;
   (i) for the purpose making repairs
   (ii) to fit the rear foot strap(s) astern of the rear cross beam.
   (iii) to attach the deck eyes for the trapeze elastics.
(f) Spare number.
(g) Two deck eyes per hull may be fitted on the deck area between the beams for the sole purpose of routing the trapeze take up shockcord

C.7.2 MAINTENANCE
(a) The watertight integrity of the hull shall be maintained. Filling and blending of small voids (chips and gouges) of ~20mm x 20mm may be carried without approval.
(b) The breather hole in the centre of the top hatch of each hull shall remain open. Shockcord may be led through the hole.
(c) The outermost surfaces of the hulls may be polished and cleaned with normal concentrations and quantities of detergents or similar materials.

C.7.3 REPAIR
(a) In the event of damage to any part of the hull:
   (i) Repairs to hulls require written approval of the IN17CA Technical Committee
   (b) Only composite repairs with E-glass laminate are permitted for the hull structure.
   (c) Replacement of non-skid ‘pro-grip’ (type: EVA Foam 3mm thickness) of the same type to the deck moulding is permitted. The pro-grip shall be supplied by Nacra licenced suppliers only.

C.7.4 LIMITATIONS
(a) Only one starboard hull and one port hull shall be used in an event, except when lost or damaged beyond repair. Any replacement shall only be made with the approval of the Race Committee or event Technical Committee.

C.8 HULL APPENDAGES
C.8.1 MAINTENANCE
(a) The outermost surfaces of the daggerboards and rudders may be sanded, polished and cleaned with normal concentrations and quantities of detergents or similar materials. for the purpose of maintenance. The essential shape, characteristics and function of the original component shall not be affected.
   The approved products for refinishing are:
   PPG D8115 Deltron Progress Matt Clearcoat
   PPG D8302 Deltron Progress UHS Hardener
   PPG D8718 Deltron Medium Thinner
   The use of any equivalent products requires pre_approval before refinishing from the IN17CA Technical Committee.
   (b) Filling and blending of small voids (chips and gouges) of ~10mmx10mm may be carried without approval.
   (c) The rope handle of the daggerboard, may be replaced by a rope obtained from any manufacturer or supplier with a maximum length of 600mm.
   (d) Small quantities of friction-reducing compounds (E.g. McLube or Teflon) may be applied only to the surfaces prior to racing, and solely for the
purpose of reducing bearing friction while raising and lowering the hull appendages.

(e) Two bolt head voids created by joining the rudder to the elevator may be filled and faired.

(f) A void found between the rudder and the elevator may be filled and faired.

(g) The tiller extension may be replaced without any restrictions as to design and material.

C.8.2 REPAIR

(a) In the event of damage to any part of a hull appendage:

(i) Repairs to hull appendages require written approval of the IN17CA Technical Committee

C.8.3 LIMITATIONS

(a) Only one starboard daggerboard, one starboard rudder, one port daggerboard and one port rudder shall be used in an event, except when lost or damaged beyond repair. Any replacement shall only be made with the approval of the Race Committee.

(b) Rudder rake shall not be adjusted while racing.

(c) Both daggerboards shall be in the fully-down position whilst racing, with an exception being that they may be raised to clear the boat from becoming afloat of in-water items, and should be immediately placed back into the fully-down position once becoming clear of in-water items. When Flag R is flown by the Race Committee Rule C8.3 (c) is suspended.

C.8.4 MODIFICATIONS

The following items may be obtained from any manufacturer or supplier unless stated otherwise.

(a) The rudder pin (part number 40146) may be packed with washers.

(b) Rudder guides (rudder stock washer trailing edge: part number 324545) may be replaced with any part as long as it is disk shaped, can roll, and has a diameter of less than 30mm.

(c) The rudder clamps (quick release bicycle style clamp) may be replaced with other clamps. The replacement shall be manually removable on the water without requiring tools, have no protrusions in the vertical or forward direction, and add no function.

C.9 ASSEMBLED PLATFORM

C.9.1 MODIFICATIONS

The following items may be obtained from any manufacturer or supplier unless stated otherwise.

(a) Jib sheet and Cunningham trim line retraction systems may be modified to make them continuous by the addition of one block per system per hull with a maximum sheave size of 22mm attached using rope and/or shockcord.

(b) Adjustment of the beam bolts bedding inside the beam extrusion and castings is prohibited and no filler may be applied.

(c) Beams may be bedded in on the hull and shall be able to be removed without damage to either the hull or beam. The bedding shall
not change in any way, the shape or position of the hulls.
(d) No additional holes may be made in the beam extrusions.
(e) The ‘chicken line’ may be rigged in any manner the crew deems suitable so long as it does not perform any other function than aiding the support of a crew.
(f) Any cleat or fittings may be replaced with a fitting of same type in the same position as the standard fitting and substantially of the same size and design.
(g) Any running block may be replaced with a block of the same number of sheaves with a sheave diameter tolerance as listed in appendix section I.
(h) The two webbing straps sewn into the trampoline, approximately 30mm long that run parallel with the beams forward of the center of the trampoline, may be removed from the trampoline. They may be cut out and removed without removing the sewing, to avoid weakening or creating a puncture in the trampoline.

C.9.2 MAINTENANCE AND REPAIR
(a) Routine maintenance such as cleaning, polishing and the replacement of broken fittings is permitted.
(b) Beam bolts are Nacra licensed suppliers only.

C.9.3 DIMENSIONS

(a) Front Cross Beam curvature

<table>
<thead>
<tr>
<th>Front cross beam curvature</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>15mm</td>
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Front cross beam curvature is the greatest distance between:
-the highest point of the underside of the front cross beam, and;
-a straight line from the port and starboard bottom points of the cross beam at the intersection with the hull taken at 90° to the straight line with the dolphin-striker tensioned and platform assembled, the mast removed, and the front and rear cross beams bedded and tightened into their respective hulls.
C.10 RIG

C.10.1 MODIFICATIONS

The following items may be obtained from any manufacturer or supplier unless stated otherwise.

(a) In order to protect the mast from the rigging the use of any tape is permitted.
(b) Calibration marks are permitted.
(c) Any cleat or fittings may be replaced with a fitting from any manufacturer in the same position as the standard fitting and substantially of the same size and design. No additional holes may be drilled in the mast section.
(d) Any block may be replaced with a block of the same number of sheaves with a sheave diameter tolerance as listed in appendix section H and I.
(e) Boom outhaul clam cleat CL277 fitting may be removed and the system may be changed to a rope only trim system.
(f) No additional holes may be made in the spar sections, except for:
   (1) Boom outhaul end two additional holes may be drilled with a max. diameter of 8 mm.
(g) Tufts or ribbons in the rigging are allowed.
(h) A protective cover made only from sail cloth and attached by adhesive tape with a max size of 300mm by 350mm may be fitted over the hounds.

C.10.2 MAINTENANCE

(a) Cleaning, polishing and the replacement of broken fittings is permitted

C.10.3 REPAIR

(a) in the event of damage to a RIG:
   (i) Repairs to spars, spreaders, and standing rigging require written approval of the IN17CA Technical Committee.
   (ii) Repairs to running rigging may be carried out without approval.

C.10.4 FITTINGS

(a) USE
   (1) Lower hole of the hounds shall be used to fit the forestay and shrouds.
   (2) The middle and top hole of the hounds may be used to fit the trapeze wires.
   (3) The trapeze wires may also be fitted through the upper terminal of the shrouds.
   (4) Mechanical wind indicators may be used.

C.10.5 LIMITATIONS

(a) Only one set of spars and standing rigging shall be used during an event, except when an item has been lost or damaged beyond repair. Any replacement shall only be made with the approval of the Race Committee or event Technical Committee.
C.10.6 STANDING RIGGING

(a) MODIFICATION, MAINTENANCE AND REPAIR.

The following items may be obtained from any manufacturer or supplier unless stated otherwise.

(1) **Standing rigging** may be replaced and shall comply with Appendix I

(2) The stay adjusters of the **forestay** and **shrouds** may be replaced by a turnbuckle of the following manufactures:

- Sta/Master PAT. 8,281,080
- Ronstan Calibrated Turnbuckles RF1575
- NavTec Quickfit lifeline Turnbuckle 316
- Blue Wave Spanner (Mono race tuning – MRT- Calibrated AISI 316.
- C.S. Johnson 12-100 Stay Adjuster – Calibrated.

The IN17CA Technical Committee may approve the use of turnbuckle products from other manufacturers.

(3) The **shrouds** and **forestay** terminal wire connectors shall be a fitting from any manufacturer in the same position as the standard fitting and substantially of the same size, weight and structural design.

(4) The ring of the Jib Halyard Locking system shall be in the same position as on the standard forestay, of the same size and structural design, with the exception: the ring of the locking system may be fitted to the forestay by rope.

(5) Carbon tubes or other similar cylindrical covers of up to 20 cm in length may be used to cover shroud turnbuckles and chainplates.

(b) DIMENSIONS

(i) Forestay Control:

The minimum distance measured along the foreside of the mast from the bottom cut of the carbon mast assembled and seated into the mast base to the forestay pin center location when the forestay and forestay fitting are both fully extended to a maximum range shall be 295mm.

(c) USE

(1) **Standing rigging** shall not be adjusted while racing.

C.10.8 RUNNING RIGGING

(a) MODIFICATION, MAINTENANCE AND REPAIR.

(1) **Running rigging** may be replaced and shall comply as specified in Appendix section I.

(2) The **trapeze** system arrangement is open and may be modified to include an adjustable hook height system provided that the attachment methods by shockcord to the hull and front cross beam are not changed.

(3) The Cunningham trim line may be led through a block with a maximum sheave diameter of 22mm attached to the **trapeze** system by rope.
(4) A shackle or snap-shackle may be fitted at the end of the main sheet where it attaches the mainsail.

(5) A shackle or snap-shackle may be fitted at the end of the jib sheet where it attaches to the clew board of the jib.

(6) The gennaker tack-line inboard end block may be attached by rope to the shrouds, gennaker strap-eye or front cross beam casting.

(7) Mast rotation line may be modified to a continuous system.

(8) A rope with a ring may be fitted to the gennaker clew for the purpose of leading the gennaker retrieval line through this ring.

(b) USE

(1) Running rigging shall be led through and attached to the fittings supplied for their function.

C.11 SAILS

C.11.1 MODIFICATIONS, MAINTENANCE AND REPAIR

The following is permitted without (re-)certification or approval and may be done by anyone.

(a) Routine maintenance and repair

(b) Addition of tell tales

(c) Addition of camber stripes

(d) Battens as supplied by NS (displaying a Nacra 17 identification sticker) may be placed in the batten pockets

C.11.2 LIMITATIONS

(a) Not more than 1 mainsail, 1 jib and 1 gennaker shall be used during an event except when a sail has been lost or damaged beyond repair. Any replacement shall only be made with the approval of the Race Committee.

C.11.3 MAINSAIL

(a) MODIFICATION, MAINTENANCE AND REPAIR.

(1) The Cunningham blocks HK300 attached in the mainsail may be replaced by blocks from any other manufacturer with the same number of sheaves and a sheave diameter tolerance of ±2 mm.

(2) As per C.6.1 (b) the application of vinyl, mylar or other plastic film over the surfaces of the mainsail is permitted to facilitate advertising, provided that the film shall not cover the window panels (blue coloured panels in Appendix section K) in the sail and the batten pockets on the port side of the sail in order to identify the batten certification stickers.

(b) IDENTIFICATION

Sail numbers shall be:

(i) The number shown on the ISAF/World Sailing International Class building plaque; or

(ii) In the International Nacra 17 Class World Championships (Excluding Junior World Championships), Continental Championship and Sailing World Cup events, any helm or crew ever having placed in the top 25
at a Nacra 17 Class World Championship previously or having competed at the most recent Olympic Games shall use an ICA issued personal sail number between 1 – 99, which shall be renewed on an annual basis. Helms having raced at the previous Olympic Games, may use the number corresponding with their Olympic finish; or

(iii) The number shown on the ISAF/World Sailing International Class building plaque of any hull still owned by them, on any boat owned by them or on any boat loaned or chartered for an event.

(iv) The national letters and the sail numbers shall be black in colour and applied according to the dimensions as defined in Appendix section K immediately under batten nr. 4. The national letters and numbers shall comply with the RRS Appendix G except where specified otherwise in (b) IDENTIFICATION and in Appendix section K.

(v) The area between the second from the top and third sail batten of the mainsail shall be kept free of competitor advertising, and shall be reserved for the Class Insignia, as specified in Appendix Section K.

(vi) After the sale of the boat, the new owner shall use the sail number as in accordance with the ISAF/World Sailing hull plaque or his own personal number on his sails. In the event of a conflict, Hulls number 1 – 99 shall have the prefix “0” before the sail number.

(c) BATTENS

The main battens shall be of the standard set supplied by Nacra Licensed suppliers only and shall not be altered. A standard batten set shall consist of 7 battens numbered down from the head point of the sail. Batten numbers 1, 2, 3 and 4 may be separately changed to either harder battens or softer battens by Nacra Licensed suppliers only. The battens shall be identified by their official certified labels.

Battens are numbered to match a batten pocket in the sail as allocated in appendix section K, it is not allowed to put battens in not-matching batten pockets and each batten pocket sail carry one batten.

(d) NATIONAL FLAGS

(i) All teams when racing in the Nacra 17 World Championships, Continental Championships and World Cup Series events shall display their national flag. The flag shall be placed on the starboard side of the mainsail between the 3rd and 4th battens from the head point of the sail.

(ii) Flags shall only be ordered and purchased through the IN17CA.

(iii) The National Flag shall be corresponding to the Country Code displayed in the sail number.
(e) USE
   (i) The sail shall be hoisted on the **halyard**. The Nacra licensed supplied
       arrangement shall permit hoisting and lowering of the sail whilst afloat.

C.11.4 JIB
(a) MODIFICATION, MAINTENANCE AND REPAIR.
   (1) As per C.6.1(b) the application of vinyl, mylar or other plastic film over
       the surfaces of the **jib** is permitted to facilitate advertising, provided
       that the film shall not cover the window panels (blue coloured panels in
       Appendix section K) in the sail and the batten pockets on the port side
       of the **sail** in order to identify the batten certification stickers.

(b) BATTENS
   The **jib** battens shall be of the standard set supplied by Nacra Licensed
   suppliers only and shall not be altered. A standard batten set shall consist of
   a lower, middle and top batten.

   Battens are named to match a batten pocket in the sail as allocated in
   Appendix section K, it is not allowed to put battens in not matching batten
   pockets and each batten pocket sail carry one batten.

(c) USE
   (i) The sail shall be hoisted on the **halyard**. The Nacra licensed supplied
       arrangement shall permit hoisting and lowering of the sail whilst
       afloat.

C.11.5 GENNAKER
(a) MODIFICATION
   The **gennaker** may be painted for graphics.

(b) LIMITATION
   Olympic national flag gennakers may be used for racing except in World
   Championship events.

(c) USE
   (i) A **boat** shall not set the **gennaker** when sailing on a leg to a windward
       mark from a leeward mark.

Section D – Platform

D.1 PARTS
D.1.1 MANDATORY
   (a) Starboard **hull**
   (b) Port **hull**
   (c) Front cross beam
   (d) Rear cross beam
   (e) Trampoline
**D.2 MODIFICATIONS, MAINTENANCE AND REPAIR**

The alterations contained in D.2.1. to D.2.3 may be made by NS, or by anybody after a formal request has been made to the NS and written approval is received by the owner. This shall require the manufacturer’s declaration to be re-issued.

**D.2.1. MODIFICATIONS**

(a)

**D.2.2. MAINTENANCE**

(a)

**D.2.3. REPAIR**

(a) If any **hull** is damaged and requires repaired in any other way than described in section C the details shall be recorded on the Manufacturers declaration.

**D.3 MANUFACTURERS**

The parts of section D.1.1 shall only be manufactured by Nacra Licensed Manufacturers.

**D.4 IDENTIFICATION**

The **hull** shall carry the licensed manufacturer’s serial number displayed on the transom of the starboard hull.

Items (c),(d) and (e) of section D.1.1 shall carry identification labels.

**D.5 MATERIALS, CONSTRUCTION AND DIMENSIONS**

D.5.1 Shall comply with the World Sailing-approved Builders Construction Manual.

D.5.2 **PAINT**

Only **hulls** of boats which are older than 4 years can be painted. Severely damaged boats can be painted with only written permission by the NS. after sending a damage report form including pictures to: measurement@nacra17.org.

### Section E – Hull Appendages

**E.1 PARTS**

**E.1.1 MANDATORY**

(a) Starboard **Daggerboard**

(b) Port **Daggerboard**

(c) Starboard **Rudderblade**

(d) Port **Rudderblade**

(e) **Rudder** upper-casting including tiller-arm

(f) **Rudder** lower-casting

(g) Tiller-bar

**E.2 MANUFACTURERS**

The parts of section E.1 shall only be manufactured by Nacra Licensed Manufacturers.
E.3 IDENTIFICATION
The daggerboards and rudder blades of items (a), (b), (c) and (d) carry the licensed manufacturer’s serial number displayed on the blade.
Rudder castings item (e) and (f) shall carry imbedded Nacra logos.
Tiller bar item (g) shall carry a Nacra 17 identification labels.

E.4 MATERIALS, CONSTRUCTION AND DIMENSIONS
Shall comply with the World Sailing approved Builders Construction Manual.

Section F – Rig

F.1 PARTS
F.1.1 MANDATORY
(a) Mast
(b) Spreaders
(c) Boom
(d) Bowsprit including snuffer ring
(e) Compression post
(f) Spi snuffer bag

F.2 MANUFACTURERS
The parts of section F.1 shall only be manufactured by Nacra Licensed Manufacturers.

F.3 IDENTIFICATION
The mast (a) shall carry the licensed manufacturer’s serial number displayed on the mast section.
Items (b), (c), (d), (e) and (f) shall carry a Nacra 17 identification labels.

F.4 MATERIALS, CONSTRUCTION AND DIMENSIONS
Shall comply with the World Sailing approved Builders Construction Manual.

Section G – Sails

G.1 PARTS
G.1.1 MANDATORY
(a) Mainsail
   (i) Hard battens nr. 1, 2, 3 and 4.
   (ii) Medium (standard) batten set
   (iii) Soft battens nr. 1, 2, 3 and 4.
(b) Jib
   (i) Standard batten set
(c) Gennaker
G.2 MANUFACTURERS
Sails of section G.1.1 shall only be manufactured by Nacra Licensed Manufacturers.

G.3 IDENTIFICATION
The mainsail, jib and gennaker shall carry the licensed manufacturer’s serial number displayed on the sails.
Battens shall carry Nacra 17 identification labels.

G.4 MATERIALS, CONSTRUCTION AND DIMENSIONS
Shall comply with the World Sailing approved Builders Construction Manual.
PART III – APPENDICES

The rules in Part III are **closed class rules**. Measurement shall be carried out in accordance with the ERS except where varied in this Part.

Section H: MANUFACTURED PART LIST

The following components shall comply with the building specification in force at the time of manufacture. As required, components shall have identification stickers attached by the builder at the time of manufacture or by the measurer:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Component</th>
<th>Associated Hardware</th>
<th>Options or tolerances</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Hull</td>
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<td></td>
<td></td>
<td></td>
<td>Nacra Licensed suppliers only</td>
</tr>
<tr>
<td>2</td>
<td>Mast rotation cam-matic HK469</td>
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</tr>
<tr>
<td>1</td>
<td>Front Cross beam</td>
<td>Required</td>
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<tr>
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<tr>
<td>1</td>
<td>Tack line 16 mm single HK442</td>
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<tr>
<td>1</td>
<td>Jib sheet swivel base HK462</td>
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<tr>
<td>1</td>
<td>Eye-strap 16 mm single HK442</td>
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<td>±3 mm diam. sheave</td>
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</tr>
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<td>Cunningham single HK348</td>
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<td>±3 mm diam. sheave</td>
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<td>Cunningham Pivoting H395 or Spinlock PXB206/VF</td>
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<td>Spi Haylard guiders HK348</td>
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<td>Clamcleat cunningham CL211</td>
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<td>Boom Gooseneck U-fitting</td>
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**Note:** (Where no comment as per class rules)
## Section I: RIGGING LIST

### Running Rigging

<table>
<thead>
<tr>
<th>Qty</th>
<th>Component</th>
<th>Associated Hardware/material</th>
<th>Iden. sticker</th>
<th>Ident. Nr.</th>
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<tr>
<td>1</td>
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<tr>
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<td>Mainsail</td>
<td>Required</td>
<td>Yes</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Light batten set (top 4 battens)</td>
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<tr>
<td></td>
<td>Medium batten complete set</td>
<td>Required</td>
<td>No</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Heavy batten set (top 4 battens)</td>
<td>Required</td>
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<tr>
<td>1</td>
<td>Jib</td>
<td>Required</td>
<td>Yes</td>
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</tr>
<tr>
<td>1</td>
<td>Gennaker</td>
<td>Required</td>
<td>Yes</td>
<td>Nacra Licensed suppliers only</td>
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# Nacra 17 Class Rules

**Effective date:** 2018-07-01

## Running Rigging

<table>
<thead>
<tr>
<th>Qty</th>
<th>Size</th>
<th>Material/Associated Hardware</th>
<th>Options or tolerances</th>
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<thead>
<tr>
<th>Qty</th>
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<th>core</th>
<th>cover</th>
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<tbody>
<tr>
<td>1</td>
<td>HK 348 29mm</td>
<td>±3mm diam. Sheave</td>
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</tbody>
</table>

### Spinblock shockcord
- Qty: 2
- Size: Shockcord

### Spintack shockcord
- Qty: 1
- Size: Shockcord

### Front cross beam rigging

#### Jibsheet trim 1:2
- Qty: 1
- Size: HK 348 29mm
- Options: ±3mm diam. sheave

#### Jib and Cunningham retraction system
- Qty: 2
- Size: HK 406 16 mm double
- Options: ±3mm diam. sheave

#### Retraction shockcord
- Qty: 2
- Size: HK 224 22mm (running-block)
- Options: ±3mm diam. sheave

#### Trapeze shockcord
- Qty: 1
- Size: Shockcord

#### Jib downhaul trim 1:2
- Qty: 1
- Size: HK 404 16 mm
- Options: ±3mm diam. sheave

### Rear cross beam rigging

#### (optional) Chicken wire
- Qty: 2
- Size: HK 404 16 mm
- Options: ±3mm diam. sheave

#### (optional) Retraction shockcord
- Qty: 1
- Size: Shockcord

#### (optional) Shockcord block tie rope
- Qty: 2

## Standing Rigging

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length(^{(1)})</th>
<th>Diam.</th>
<th>Material</th>
<th>Associated Hardware</th>
<th>Options or restrictions</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length(^{(1)})</th>
<th>Diam.</th>
<th>Material</th>
<th>Associated Hardware</th>
<th>Options or restrictions</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length(^{(1)})</th>
<th>Diam.</th>
<th>Material</th>
<th>Associated Hardware</th>
<th>Options or restrictions</th>
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</thead>
<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length(^{(1)})</th>
<th>Diam.</th>
<th>Material</th>
<th>Associated Hardware</th>
<th>Options or restrictions</th>
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</table>

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length(^{(1)})</th>
<th>Diam.</th>
<th>Material</th>
<th>Associated Hardware</th>
<th>Options or restrictions</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>mm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(1) Length is the distance taken between the bearing surfaces of the rigging.

(2) Advisory length no tolerances apply.
Section J: HULL DRAWINGS