The NACRA 17 Class was designed in 2012 by Morelli & Melvin and NACRA.
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, crossbars, trampoline, rigging and sails are manufacturing controlled.

Nacra 17 hulls, hull appendages, crossbars, 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 an ISAF approved manufacturing control system.

Nacra 17 hulls, hull appendages, crossbars, trampoline, rigging 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
MNA ISAF Member National Authority
NS Nautical Sports bv
also referred in the rules as NACRA the copyright holder.
INCA 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 the ISAF which shall co-operate with the INCA 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 the ISAF.

A.4 ADMINISTRATION OF THE CLASS
A.4.1 ISAF has delegated its administrative functions of the class to the INCA.

A.5 CLASS RULES CHANGES
A.5.1 ISAF Regulation 10.11 applies.

A.6 CLASS RULES AMENDMENTS
A.6.1 In accordance with ISAF Regulations, amendments to the Class Rules require the approval of ISAF after their adoption by a simple majority vote of the members in a general meeting of the INCA held in accordance with its constitution.
A.7  CLASS RULES INTERPRETATION
A.7.1 Interpretation of Class Rules shall be made in accordance with the ISAF Regulations in consultation with the INCA 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 the ISAF and INCA of any such interpretations.

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

A.10  SAIL NUMBERS & CLASS INSIGNIA
A.10.1 Sail numbers shall be:
(a) the number corresponding to the number on the ISAF International Class building plaque, shall be used in 3 digits; or
(b) where the helm has finished in the top 3 in the preceding Nacra 17 World Championship their sail number shall be that place, single digit.
Positioning of the numbers are specified in Appendix Section K.
A.10.2 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.
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 ISAF and the INCA 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.2 CREW

C.2.1 LIMITATIONS

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

C.2.2 MEMBERSHIP

During World Championships, Continental Championships, ISAF World Cup and other ISAF grade 1 and 2 events each crew member shall be a current member of the INCA.

C.3 PERSONAL EQUIPMENT

C.3.1 PERSONAL FLOATATION DEVICE

(a) When racing both crew shall wear a personal flotation 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.4 ADVERTISING

C.4.1 Advertising as chosen by the Person in Charge is unrestricted as in accordance with ISAF Regulation 20.3.1.1 and 20.3.1.2

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

### C.5 PORTABLE EQUIPMENT

C.5.1 OPTIONAL

(a) Timing devices, removable for weighing.
(b) One compass with brackets, removable for weighing.
(c) Electronic compasses with functions beyond heading and timing are prohibited.
(d) Spare parts and tools, removable for weighing.
(e) Camera recording equipment and attachments, where permitted by the Notice of Race and/or Sailing Instructions and removable for weighing.

### C.6 BOAT

The following is permitted without the approval of the I.M. Unless stated otherwise items mentioned in the section may be obtained from any manufacturer or supplier.

C.6.1 MODIFICATIONS

(a) The use of shockcord or adhesive tape and rings is in general unrestricted, except that such material shall not be used in such a way as to create a fitting or extend a function of a permitted fitting.
(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.6.2 MAINTENANCE

(a) Maintenance may be carried out provided that the essential shape, characteristics and function of the original component are not affected.
(b) Any cleat including integrated fairlead may be replaced with a cleat of any material and substantially of the same size and design.
(c) Any block on the boat may be replaced with a block of the same number of sheaves with a sheave diameter tolerance, except the mainsail blocks as listed in appendix section H. Two ratchet blocks (1 port and 1 starboard side) may be used for the gennaker sheets.
(d) The mainsheet system block may be replaced to a maximum purchase of 12:1 and a minimum purchase of 10:1, only one ratchet block is allowed in the mainsheet system.
(e) Any attachment of blocks may be replaced. Attachments for blocks shall
be of substantially the same size and design as the original.

C.6.3 REPAIR
(a) Maintenance may be carried out provided that the essential shape, characteristics and function of the original component are not affected.
(b) 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 maybe modified to accommodate slightly larger fixings

C.6.4 WEIGHT
The weight of the boat in dry condition shall be minimum 139 kg.
The weight shall be taken including hull platform, mast, hull appendages, bowsprit and all portable equipment rigging as listed in Appendix section H and I, except the tiller extension, mainsail, jib, gennaker including their battens.

C.6.5 CORRECTOR WEIGHTS
(a) Corrector weights of lead shall be securely fastened to the outside on the starboard side from the middle of the forward beam at the V-bar or dolfingstriker rod, when the boat weight is less than the minimum requirement.
(b) The total weight of such corrector weights shall not exceed 4 kg.

C.7 HULL
The following is permitted without the approval of the I.M. Unless stated otherwise items mentioned in the section may be obtained from any manufacturer or supplier.

C.7.1 MODIFICATIONS
(a) Additional non-skid tape can be applied to the upper deck areas aft the rear crossbar and in front of the front crossbar.
(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) No holes may be made in the hull or deck mouldings except;
   (i) for the purpose making repairs
   (e) The daggerboard case packing may be replaced by a material of polyester, nylon or epoxy of even thickness, this packing shall not extend for more than 35 mm into the trunk from the top or bottom, or beyond the surface defined by straight edge held perpendicular to the centreline and dragged along the bottom of the hull.
Advisory note: nowhere is re-finishing, fairing of the daggerboardcase hull surfaces permitted except to facilitate localised repair in this rule.

C.7.2 MAINTENANCE
(a) The watertight integrity of the hull shall be maintained.
(b) The breather hole in the centre of the top-hatch of each hull shall remain open and unrestricted.
(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, necessary repairs may be made provided repairs are made in such a way that the essential shape and function is not materially affected. Areas of damage repair may be filled, sanded and polished over.
(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.7.5 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.

C.8 DAGGERBOARDS
The following is permitted without the approval of the I.M. Unless stated otherwise items mentioned in the section may be obtained from any manufacturer or supplier.

C.8.1 MAINTENANCE
(a) The outermost surfaces of the daggerboards may be sanded, polished and cleaned with normal concentrations and quantities of detergents or similar materials. Provided that the essential shape, characteristics and function of the original component are not affected, the I.M may use templates to verify compliance with these limitations.
(b) The rope handle of the daggerboard, may be replaced by a different rope, with a maximum length of 300 mm.
(c) Small quantities of friction-reducing compounds (E.g. McLube or Teflon) may be applied only to the surface of daggerboards prior to racing, and solely for the purpose of reducing bearing friction while raising and lowering the daggerboards.

C.8.2 REPAIR
(a) Repairs to chips in the leading and trailing edge may be filled and blended in.
   Advisory note: nowhere is re-finishing, fairing of the daggerboard blade permitted except to facilitate localised repair in this rule. Painting is not mentioned therefore as these are closed class rule it is prohibited.

C.8.3 LIMITATIONS
(a) Only one starboard daggerboard and one port daggerboard 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.

C.9 RUDDERS
The following is permitted without the approval of the I.M. Unless stated
otherwise items mentioned in the section may be obtained from any manufacturer or supplier.

C.9.1 MAINTENANCE AND MODIFICATIONS
(a) The outermost surfaces of the daggerboards may be sanded, polished and cleaned with normal concentrations and quantities of detergents or similar materials. Provided that the essential shape, characteristics and function of the original component are not affected, the I.M. may use templates to verify compliance with these limitations.
(b) The rudder upper casting packing may be replaced by a nylon, polyester or epoxy based material to fit the rudder arm and blade.
(c) The rudder lower casting packing may be replaced by a nylon, polyester or epoxy based material to fit the blade.
(d) The tiller extension may be replaced without any restrictions as to design and material.

C.9.2 REPAIR
(a) Repairs to chips in the leading and trailing edge may be filled and blended in.

Advisory note: nowhere is re-finishing, fairing of the rudder blade permitted except to facilitate localised repair in this rule. Painting is not mentioned therefore as these are closed class rule it is prohibited.

C.9.3 LIMITATIONS
(a) Only one starboard rudder 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

C.10 BEAMS
The following is permitted without the approval of the I.M. Unless stated otherwise items mentioned in the section may be obtained from any manufacturer or supplier.

C.10.1 MODIFICATIONS
(a) Jib sheet and Cunningham trim line retraction system may be altered to a continues system to the opposite side of the platform. An additional block may be used as specified in appendix section I.
(b) Adjustment of the beam bolts bedding inside the beam extrusion and castings is prohibited and no filler may be applied.
(c) Beams are prohibited to be bedded in on the hull and shall be able to be removed from without damage to either the hull or fitting.
(d) No additional holes may be made in the beam extrusion.
(e) Deflection of the Front Cross Beam has been limited to 15 mm to prevent excessively pre-stressing the beam. Measurement can be taken with the boat assembled as long as the measurer insures that all loads are removed, which would affect the measurement. The boat should not be in trailer cradles or tipped up on one hull and both beams are tightened into their beam beddings.
C.10.2 MAINTENANCE AND REPAIR
(a) Routine maintenance such as cleaning, polishing and the replacement of broken fittings is permitted.
(b) Beam bolts may be replaced by identical bolts of same size, profile and screw-thread supplied by Nacra licensed suppliers only.
(c) Any cleat or fittings may be replaced with a fitting of same type and manufacturer in the same position as the standard fitting and substantially of the same size and design.
(d) 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.

C.11 RIG
The following is permitted without the approval of the I.M. Unless stated otherwise items mentioned in the section may be obtained from any manufacturer or supplier.

C.11.1 MODIFICATIONS, MAINTENANCE AND REPAIR
(a) In order to protect the mast from the rigging the use of tape is permitted, which may be either Dacron or vinyl tape.
(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 I.
(e) No holes may be made in the mast section.
(f) Tufts or ribbons in the rigging are allowed.

C.11.2 MAINTENANCE AND REPAIR
(a) Routine maintenance such as cleaning, polishing and the replacement of broken fittings is permitted.
(b) Painting of the mast is permitted, by using transparent ‘polyurethane gloss topcoat’.

C.11.3 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 shall be used to fit the trapeze wires.
C.11.4 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.

C.11.5 DIMENSIONS

(a) The forestay length is controlled by laying the forestay, including the chainplate or turnbuckle (C.11.7(a)(2)), along the forward face of the mast section and measuring the maximum extension possible of the forestay with the chainplate or turnbuckle. This distance shall be taken between the lower trimming line of the mast section and the bearing surface of the forestay pin and shall be a minimum of 295 mm.

C.11.6 FITTINGS

(a) Optional mechanical wind indicators

C.11.7 STANDING RIGGING

(a) MODIFICATION, MAINTENANCE AND REPAIR.

(1) Standing rigging may be replaced and shall comply with the following:

<table>
<thead>
<tr>
<th>Standing rigging</th>
<th>Size</th>
<th>Material</th>
<th>Associated Hardware</th>
<th>options or restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qty.</td>
<td>Length</td>
<td>Diam.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>m</td>
<td>mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forestay</td>
<td>1</td>
<td>6250</td>
<td>4</td>
<td>1 x 19 stainless steel wire</td>
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<tr>
<td></td>
<td>1</td>
<td>6250</td>
<td></td>
<td>Shrouds Chainplate</td>
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<tr>
<td>Bridle</td>
<td>2</td>
<td>1320</td>
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<td>1 x 19 stainless steel wire</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1320</td>
<td></td>
<td>Bridle fitting NA31698</td>
</tr>
<tr>
<td>Shrouds</td>
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<td>6810</td>
<td>4</td>
<td>1 x 19 stainless steel wire</td>
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<tr>
<td></td>
<td>2</td>
<td>6810</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bowsprit bridles</td>
<td>2</td>
<td>1580</td>
<td>2.5</td>
<td>1 x 19 stainless steel wire</td>
</tr>
<tr>
<td>Bowsprit mid-bridle</td>
<td>2</td>
<td>1750</td>
<td>3</td>
<td>Dyneema SK75 or polyester</td>
</tr>
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<td></td>
<td>1</td>
<td>2000</td>
<td>3</td>
<td>Dyneema SK75 or polyester</td>
</tr>
<tr>
<td>Tramp laces rear</td>
<td>1</td>
<td>4300</td>
<td>3</td>
<td>Dyneema SK75 or polyester</td>
</tr>
<tr>
<td>Tramp laces side</td>
<td>2</td>
<td>4000</td>
<td>3</td>
<td>Dyneema SK75 or polyester</td>
</tr>
<tr>
<td>Tramp block tie</td>
<td>2</td>
<td>300</td>
<td>3</td>
<td>Dyneema SK75 or polyester</td>
</tr>
<tr>
<td>Trapeze lines</td>
<td>4</td>
<td>6370</td>
<td>2.5</td>
<td>1 x 19 stainless steel wire</td>
</tr>
</tbody>
</table>

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

(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

Note: The I.M. may authorize the use of comparable turnbuckle products from other manufacturers provided those products meet comparable requirements for product standardization, compliance, and testing. measurement@nacra17class.com
(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 **jib** halyard locking system shall be in the same position as on the standard forestay, substantially of the same size, weight and structural design.

(b) USE

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

C.11.8 RUNNING RIGGING

(a) MODIFICATION, MAINTENANCE AND REPAIR.

(1) The **trapeze** system arrangement may be modified to include an adjustable hook height provided that the attachment methods by shockcords to the mast spar, hull and beam are not changed.

(2) 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.

(3) Shock cords and rings may be added to ropes. The shock cords shall have a maximum diameter of 4 mm.

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

(b) USE

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

C.12 SAILS

C.12.1 MODIFICATIONS, MAINTENANCE AND REPAIR

(a) **Sails** shall not be recut or otherwise change or affect any aspect of the sail or pierce the sail for any reason other than effecting necessary repairs.

(b) The **sail battens** are identified by a unique identification graphic and as supplied by a Nacra licensed supplier and shall not be altered.

(c) Tell Tales on the sails may be fitted.

C.12.2 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.12.3 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 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
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 Appendix section K.

(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 changed to 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 ISAF World Cup events shall display their national flag. The flag shall be placed on the port 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 INCA.

(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.12.4 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 provided that the film shall not cover the window panels (blue 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.

(a) 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.
(b) 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.12.5 GENNAKER
   (a) MODIFICATION
       The gennaker may be painted for graphics.

Section D – Platform

D.1 PARTS
D.1.1 MANDATORY
   (a) Starboard hull
   (b) Port hull
   (c) Front Crossbar
   (d) Rear Crossbar
   (e) Trampoline

D.2 MANUFACTURES
   The parts of section D.1.1 shall only be manufactured by Nacra Licensed Manufacturers.

D.3 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.4 MATERIALS, CONSTRUCTION AND DIMENSIONS
D.4.1 Shall comply with the ISAF approved Builders Construction Manual.
D.4.2 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 I.M. after sending a damage report form including pictures to; measurement@nacra17class.com.

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 MANUFACTURES**
The parts of section E.1 shall only be manufactured by Nacra Licensed Manufacturers.

**E.3 IDENTIFICATION**
The daggerboard and rudderblades 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 ISAF approved Builders Construction Manual.

**Section F – Rig**

**F.1 PARTS**

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

**F.2 MANUFACTURES**
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 ISAF 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 MANUFACTURES

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 ISAF 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>Iden. sticker</th>
<th>Ident. Nr.</th>
<th>Options or tolerances</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Gennaker HK2135 57 mm</td>
<td></td>
<td></td>
<td></td>
<td>±2mm diam. sheave</td>
</tr>
<tr>
<td>1</td>
<td>Front Cross beam</td>
<td>Required</td>
<td>No</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Gennaker sheet HK2636 40 mm</td>
<td></td>
<td></td>
<td></td>
<td>Or HK2137 ±2mm diam. sheave</td>
</tr>
<tr>
<td>1</td>
<td>Tackline cheek HK233 22 mm</td>
<td></td>
<td></td>
<td></td>
<td>±2mm diam. sheave</td>
</tr>
<tr>
<td>2</td>
<td>Jib cunningham/ HK415 16 mm</td>
<td></td>
<td></td>
<td></td>
<td>±2mm diam. sheave</td>
</tr>
<tr>
<td>1</td>
<td>Tackline cam-matic HK468</td>
<td></td>
<td></td>
<td></td>
<td>Harken licensed suppliers only</td>
</tr>
<tr>
<td>2</td>
<td>ClamCleat Jib cunningham CL268</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Jib track Car HK2700</td>
<td></td>
<td></td>
<td></td>
<td>Harken licensed suppliers only</td>
</tr>
<tr>
<td>1</td>
<td>Jib track</td>
<td></td>
<td></td>
<td></td>
<td>Nacra Licensed suppliers only</td>
</tr>
<tr>
<td>1</td>
<td>Rear Cross Beam</td>
<td>Required</td>
<td>No</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Traveler track car HK2738</td>
<td></td>
<td></td>
<td></td>
<td>Harken licensed suppliers only</td>
</tr>
<tr>
<td>2</td>
<td>chickenwire shockcord blocks</td>
<td></td>
<td></td>
<td></td>
<td>16 mm sheave ± 4 mm diam. sheave</td>
</tr>
<tr>
<td>1</td>
<td>Mast</td>
<td>Required</td>
<td>Yes</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Cunningham sheave micro HK277</td>
<td></td>
<td></td>
<td>±2mm diam. sheave</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cunningham single HK348</td>
<td></td>
<td></td>
<td>±2mm diam. sheave</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Cunningham Pivoting HK291</td>
<td></td>
<td></td>
<td>Shave diam. +2 mm and -8 mm</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Clamcleat cunningham CL211</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Mast rotation cam-matic HK469</td>
<td></td>
<td></td>
<td>±2mm diam. sheave</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Eye-strap 16mm single HK442</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Spreader (6 components)</td>
<td>Required</td>
<td>No</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Boom</td>
<td>Required</td>
<td>No</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Boom Gooseneck U-fitting</td>
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<td></td>
<td></td>
<td>Nacra Licensed suppliers only</td>
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<tr>
<td>1</td>
<td>Compression Post</td>
<td>Required</td>
<td>No</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Trampoline</td>
<td></td>
<td></td>
<td></td>
<td>Nacra Licensed suppliers only</td>
</tr>
<tr>
<td>1</td>
<td>Bowspit</td>
<td>Required</td>
<td>No</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Snuffer ring</td>
<td></td>
<td></td>
<td></td>
<td>Nacra Licensed suppliers only</td>
</tr>
<tr>
<td>1</td>
<td>Tackline stand-up HK349</td>
<td></td>
<td></td>
<td>±2mm diam. sheeve</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Clamcleat jib carline CL211</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Jib sheet cheek blok HK416</td>
<td></td>
<td></td>
<td>±2mm diam. sheave</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Jib cunningham cheek blok HK416</td>
<td></td>
<td></td>
<td>±2mm diam. sheave</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Spi snuffer bag</td>
<td>Required</td>
<td>Yes</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Daggerboard</td>
<td>Required</td>
<td>Yes</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Spinnaker</td>
<td>Required</td>
<td>Yes</td>
<td>Nacra Licensed suppliers only</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Rudderboard - lower</td>
<td></td>
<td></td>
<td></td>
<td>Nacra Licensed suppliers only</td>
</tr>
<tr>
<td>2</td>
<td>Ruddercasting - lower</td>
<td></td>
<td></td>
<td></td>
<td>Nacra Licensed suppliers only</td>
</tr>
</tbody>
</table>
## Section I: RIGGING LIST

<table>
<thead>
<tr>
<th>Running Rigging</th>
<th>Size</th>
<th>Material/Associated Hardware</th>
<th>Options or tolerances</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Qty</td>
<td>length</td>
<td>diam</td>
</tr>
<tr>
<td>Mainsheet with spiltale 1:10</td>
<td>1</td>
<td>14</td>
<td>8</td>
</tr>
<tr>
<td>Jib Halyard</td>
<td>1</td>
<td>12</td>
<td>1.5</td>
</tr>
<tr>
<td>Main Downhaul purchase 1:16</td>
<td>1</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>Main Downhaul purchase 1:12</td>
<td>2</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>Jib sheet 1:2 (optional)</td>
<td>1</td>
<td>3.3</td>
<td>3</td>
</tr>
<tr>
<td>Jib sheet 1:3</td>
<td>1</td>
<td>3.7</td>
<td>3</td>
</tr>
<tr>
<td>Jib Downhaul 1:2</td>
<td>1</td>
<td>1.5</td>
<td>3</td>
</tr>
<tr>
<td>Spin Bale</td>
<td>1</td>
<td>0.55</td>
<td>3</td>
</tr>
<tr>
<td>Rotation line</td>
<td>1</td>
<td>4.75</td>
<td>4</td>
</tr>
<tr>
<td>Spin tack release</td>
<td>1</td>
<td>0.9</td>
<td>4</td>
</tr>
<tr>
<td>Hiking strap tie</td>
<td>1</td>
<td>0.5</td>
<td>3</td>
</tr>
<tr>
<td>Trapeze line</td>
<td>5</td>
<td>5.5</td>
<td>10</td>
</tr>
<tr>
<td>Trapeze shockcord</td>
<td>2</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Spin halyard shockcord</td>
<td>1</td>
<td>2.1</td>
<td>3</td>
</tr>
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</table>
### Running Rigging

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length</th>
<th>Diam</th>
<th>Material/Associated Hardware</th>
<th>Options or Tolerances</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Spinblock shockcord</strong></td>
<td>2</td>
<td>0.45</td>
<td>HK 348 29mm</td>
<td>±2mm diam. Sheave</td>
</tr>
<tr>
<td><strong>Spinnack shockcord</strong></td>
<td>1</td>
<td>2</td>
<td>HK 348 29mm</td>
<td>±2mm diam. Sheave</td>
</tr>
</tbody>
</table>

- **Front crossbar rigging**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length</th>
<th>Diam</th>
<th>Material/Associated Hardware</th>
<th>Options or Tolerances</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Jibsheet trim 1:2</strong></td>
<td>1</td>
<td>8</td>
<td>HK 348 29mm</td>
<td>±2mm diam. Sheave</td>
</tr>
<tr>
<td><strong>(Additional)</strong></td>
<td>2</td>
<td>3</td>
<td>HK 348 29mm (to lead Jibsheet backwards over deck)</td>
<td>±2mm diam. Sheave</td>
</tr>
<tr>
<td><strong>Jib and Cunningham retraction system</strong></td>
<td>2</td>
<td>5</td>
<td>HK 406 16 mm double</td>
<td>±2mm diam. Sheave C.10.1 (a)</td>
</tr>
<tr>
<td><strong>(Additional continues)</strong></td>
<td>2</td>
<td>1.2</td>
<td>HK 224 22mm (running-block)</td>
<td>±2mm diam. Sheave</td>
</tr>
</tbody>
</table>

- **Shockcord block line**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length</th>
<th>Diam</th>
<th>Material/Associated Hardware</th>
<th>Options or Tolerances</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Retraction shockcord</strong></td>
<td>2</td>
<td>3.2</td>
<td>HK 348 3mm</td>
<td>±0.05 mm diam.</td>
</tr>
<tr>
<td><strong>Trapeze shockcord</strong></td>
<td>1</td>
<td>2.5</td>
<td>HK 404 5mm</td>
<td>±0.05 mm diam. length no control</td>
</tr>
<tr>
<td><strong>Jib downhaul trim 1:2</strong></td>
<td>2</td>
<td>4.5</td>
<td>HK 224 3mm</td>
<td>±2mm diam. Sheave</td>
</tr>
</tbody>
</table>

- **Shockcord**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length</th>
<th>Diam</th>
<th>Material/Associated Hardware</th>
<th>Options or Tolerances</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shrouds</strong></td>
<td>2</td>
<td>6 mm</td>
<td>HK 404 16 mm double</td>
<td>±0.05 mm diam. Sheave</td>
</tr>
</tbody>
</table>

- **Rear crossbar rigging**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length</th>
<th>Diam</th>
<th>Material/Associated Hardware</th>
<th>Options or Tolerances</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Chicken wire</strong></td>
<td>2</td>
<td>2.8</td>
<td>HK 404 5mm</td>
<td>±0.05 mm diam.</td>
</tr>
</tbody>
</table>

- **Retraction shockcord**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length</th>
<th>Diam</th>
<th>Material/Associated Hardware</th>
<th>Options or Tolerances</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shockcord block tie rope</strong></td>
<td>2</td>
<td>0.5</td>
<td>HK 404 2mm</td>
<td>±0.05 mm diam.</td>
</tr>
</tbody>
</table>

### Standing Rigging

<table>
<thead>
<tr>
<th>Qty</th>
<th>Length</th>
<th>Diam</th>
<th>Material/Associated Hardware</th>
<th>Options or Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Forestay</strong></td>
<td>1</td>
<td>6250</td>
<td>1 x 19 stainless steel wire</td>
<td>±0.05 mm diam. wire and C.11.5 (a)</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>6120</td>
<td>1 x 19 stainless steel wire</td>
<td></td>
</tr>
<tr>
<td><strong>Bridle</strong></td>
<td>2</td>
<td>1320</td>
<td>1 x 19 stainless steel wire</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>6100</td>
<td>1 x 19 stainless steel wire</td>
<td></td>
</tr>
<tr>
<td><strong>Shrouds</strong></td>
<td>2</td>
<td>6100</td>
<td>1 x 19 stainless steel wire</td>
<td></td>
</tr>
<tr>
<td><strong>Diamons</strong></td>
<td>2</td>
<td>6100</td>
<td>1 x 19 stainless steel wire</td>
<td>±0.05 mm diam. wire</td>
</tr>
<tr>
<td><strong>Bowsprit bridge</strong></td>
<td>2</td>
<td>1580</td>
<td>1 x 19 stainless steel wire</td>
<td>±0.05 mm diam. length no control</td>
</tr>
<tr>
<td><strong>Bowsprit mid-bridge</strong></td>
<td>2</td>
<td>1750</td>
<td>Dyneema Sk75 or polyester</td>
<td>±0.2 mm diam.</td>
</tr>
<tr>
<td><strong>Spin line (snuffer)</strong></td>
<td>1</td>
<td>2000</td>
<td>Dyneema Sk75 or polyester</td>
<td>±0.2 mm diam.</td>
</tr>
<tr>
<td><strong>Tramp lace rear</strong></td>
<td>1</td>
<td>4300</td>
<td>Dyneema Sk75 or polyester</td>
<td>±0.2 mm diam.</td>
</tr>
<tr>
<td><strong>Tramp laces side</strong></td>
<td>2</td>
<td>4000</td>
<td>Dyneema Sk75 or polyester</td>
<td>±0.2 mm diam.</td>
</tr>
<tr>
<td><strong>Tramp block tie</strong></td>
<td>2</td>
<td>300</td>
<td>Dyneema Sk75 or polyester</td>
<td>±0.2 mm diam.</td>
</tr>
<tr>
<td><strong>Trapeze lines</strong></td>
<td>4</td>
<td>6370</td>
<td>1 x 19 stainless steel wire</td>
<td>±0.5 mm diam. and -400 mm, +20 mm length</td>
</tr>
</tbody>
</table>

(1) Length is the distance taken between the bearing surfaces of the rigging.
Section J: HULL DRAWINGS
Section K: NACRA 17 SAIL ARRANGEMENT

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