

# F17 North American

**f17na**

**CLASS RULES**

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## INTRODUCTION:

*The Nacra F17na Class has been formed to support owners throughout North America with better racing and race support service. The concept is to keep alive single-handed sailing in Nacra's 17-ft boats in North America, with simplified rules that allow older F17s to still come to events and race with the newest F17nas and have all of them be part of the well-established Nacra single-handed 17 family.*

*Nacra F17na hulls, hull appendages, tillers, rigs and sails must be produced by Nautical Sports bv(= NACRA) or their licensed builders and sail makers. Equipment is required to comply with the Nacra F17na Building Specification.*

*Nacra F17na hulls, hull appendages, rigs and sails may, only be altered to the extent permitted in Section C of the Class Rules.*

*Owners and crews should be aware that compliance with the rules in Section C is NOT checked as part of the manufacturing process.*

*Rules regulating the use of equipment during a race are contained in Section C of these Class Rules, in ERS Part 1 and in the RRS.*

*This introduction only provides an informal background and the Nacra F17na rules follows.*

**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 When the term is printed in “**bold**” (except headings) then the definition in the ERS applies, and when the term is printed in “*italics*” then the RRS shall apply.

#### A.2. ABBREVIATIONS

A.2.1 ISAF International Sailing Federation

MNA ISAF Member National Authorities

N.S. bv Nautical Sports bv and their licensees, referred to in the rules as NACRA.

INCA International Nacra Class Association

NANCA North America Nacra Class Association

ERS Equipment Rules of Sailing.

RRS Racing Rules of Sailing.

NAND North American Nacra Dealers

#### A.3. AUTHORITIES

A3.1 The North American authority of the class is NANCA.

#### A.4. ADMINISTRATION OF THE CLASS

A4.1 The Class is administered by the NANCA

#### A.5. CLASS RULES CHANGES

A.5.1 At all events RRS 87 applies.

#### A.6. CLASS RULES AMENDMENTS

Amendments to these **Class Rules** are subject to the approval of NANCA.

#### A.7. CLASS RULES INTERPRETATION

Interpretations of these **Class Rules** shall be made by NANCA.

#### A.8. SAIL NUMBERS

A.8.1 Sail numbers shall be issued by NANCA.

A.8.2 Sail numbers shall be issued in consecutive order.

## **Section B – Boat Eligibility and Equipment Inspection**

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

### **B.1 CLASS RULES**

B.1.1 The **boat** shall:

- (a) Be in compliance with the **class rules**.
- (b) Have valid **certification marks** on **sails**

### **B.2 CLASS ASSOCIATION MARKINGS**

B.2.1 A valid Class Association Sticker, if required, shall be affixed to the **hull** on the transom.

### **B.3 EQUIPMENT INSPECTION**

B.3.1 In the case of a dispute at an event alleging non-compliance with **Class Rules** where specific measurements are not stated, the **Equipment Inspector** shall adopt the following procedure:

- (a) If the dimensions of the **boat** under dispute are outside the dimensions, then The matter shall be referred to the TECHNICAL COMMITTEE of NANCA, who shall give a binding ruling and shall take appropriate action.

## PART II – REQUIREMENTS AND LIMITATIONS

The **boat** and **crew** shall comply with the rules in Part II when *racing*. If there is any conflict with the **Class Rules** then Section C shall take precedence.

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

Any **equipment inspection** shall be carried out in accordance with the ERS except where varied by Part II of these **Class Rules**.

### Section C - Conditions for racing.

#### C.1 GENERAL

##### C.1.1 RULES

- (a) The ERS Part I – Use of Equipment shall apply.
- (b) RRS 42.3 is changed as follows:  
Add to RRS 42.3:  
*(i) A **boat's crew** may pump the **mainsail** repeatedly to release one or more battens.*
- (c) RRS 49.1 shall not apply.
- (d) RRS 50.4 shall be amended to read 75%.
- (e) RRS Appendix G1.3 (d) shall not apply.

##### C.1.2 LIMITATIONS

- (a) The Nacra F17na shall only be raced with original or replacement equipment supplied by NACRA, except where otherwise authorized by these **Class Rules**.
- (b) Where replacement equipment other than from NACRA is authorized, it may be obtained from any supplier provided that the replacement is of a similar weight, size and type and performs the same function.

#### C.2 ADVERTISING

Competitor advertising may be displayed in accordance with ISAF Regulation 20.

#### C.3 CREW

##### C.3.1 LIMITATIONS

- (a) The CREW shall consist of one person, who shall be a member of NANCA
- (b) The **crew** shall use the **sails** in accordance with the following categories:  
a **crew** of one person shall sail with the **mainsail** and spinnaker.
- (c) Minimum Sailing Weight shall be 175 lbs., however, for crews weighing less than minimum sailing weight, ½ of the additional weight required must be carried (C.6.2).

## C.4. PERSONAL EQUIPMENT

### C.4.1 MANDATORY

(a) A **boat** shall be equipped with a **personal floatation device** for each **Crewmember** to the minimum standard EN393, ISO 12402-5 (CE 50 Newtons), USCG Type III, or unless an alternative standard is prescribed otherwise in the Notice of Race.

### C.4.2 OPTIONAL.

- (a) Trapeze harness for each member of **crew**
- (b) Other personal equipment
- (c) Magnetic devices.
- (d) Mechanical timing devices
- (e) Electronic devices that provide timing, heading and heading memory but which Doesn't receive or transmit data
- (f) Water, food and clothing containers
- (g) Emergency Positioning Indicating Radio Beacons (EPIRB) devices
- (h) Towing line if required in Sailing Instructions.
- (i) A paddle, fit for purpose if required in Sailing Instructions
- (j) Wind indicator(s)

## C.5 EQUIPMENT

Replacements parts may be obtained from any supplier unless otherwise stated.

### C.5.1 MANDATORY

A righting line of minimum of 10 mm thickness and 4 meters in length shall be fixed on the **boat** at all times.

## C.6 BOAT

### C.6.1 MODIFICATIONS, MAINTENANCE AND REPAIR

The following is permitted without the approval of NACRA. Unless stated otherwise items mentioned in this section may be obtained from NACRA.

- (a) Holes no larger than the necessary size for the passing of lines may be made in any part of the **boat**
- (b) Routine maintenance for minor repairs, filling, sanding, cleaning, polishing and waxing is permitted as long as the **hull** is in a similar condition as when new.
- (c) Replacements for any **boat** equipment, including but not limited to **hull appendages, rig, trapeze wire, sails, battens, spinnaker bag frame or fittings**, whether original or replacements shall only those produced by NACRA except where otherwise authorized by this section.
- (d) Foot loops,
- (e) **Crew** restraining lines
- (f) Compass holders may be added
- (g) **Sail** calibration marks may be added
- (h) Replacement of fittings on an equal type and mark basis. F17na

## C.6.2 CORRECTOR WEIGHT

Corrector Weights; corrector weights shall be attached to the trampoline within 18” from the front main beam or placed into the stock storage pouch. Weights shall be securely attached to the boat and shall not be moved while racing. Attachment shall be with tape, zip ties, or by tying with line led thru the weights

- (a) Maximum Corrector weights may not exceed 20lbs.

## C.7 HULL

### C.7.1 MODIFICATIONS, MAINTENANCE AND REPAIR

The following is permitted without the approval of NACRA. Unless stated otherwise items mentioned in this section may be obtained by any manufacturer or supplier.

- (a) Additional hiking straps are permitted
- (b) Additional sail adjustment devices may be added to and fitted through the trampoline
- (c) Non slip surfaces may be applied to the **hulls**
- (d) Vinyl or similar may be added to the **hull** above the waterline to facilitate the displaying of advertising.
- (e) Waxing and polishing of the **hull** is permitted.

### C.7.2 LIMITATION

- (a) Spinnaker bags shall not be fastened to the hull.

## C.8 HULL APPENDAGES

### C.8.1 MODIFICATIONS, MAINTENANCE AND REPAIR

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

- (a) All **hull appendages** shall be original equipment supplied by NACRA.
- (b) Waxing and polishing of the **hull appendages** is permitted.
- (c) The **hull appendages** may be lightly sanded to key the surface.
- (d) Sanding and filling to improve fit and function is permitted
- (e) Shims may be added to reduce or compensate for wear
- (f) Tiller Extension may be allowed to be exchanged for an alternative ( Adjustable = Arriba type or single one piece).

### C.8.2. LIMITATION

- (a) Only two rudder blades and **daggerboards** may be used during an event, Permission to change agreed in writing with the Race Committee.

## C9 RIG

### C.9.1 MODIFICATIONS, MAINTENANCE, REPAIR

- (a) Maintenance or replacement of running **rigging** and fittings with similar materials is permitted.



- (b) Replacement of standing **rigging** shall be supplied by NACRA.
- (c) Masts may have wind indicators and compasses
- (d) The maximum limitation of downhaul (Cunningham) is at 16:1. (Note: 16:1 may void manufacture warrant ) Maximum mainsheet is at 10:1.
- (e) Sheets and lines may be replaced without any restrictions as to length, diameter and taper providing the part is not made of wire

#### C.9.2 LIMITATION

- (a) Only one set of **spars** and standing **rigging** may be used during an event, permission to change must be agreed in writing with the Race Committee.

#### C.9.3 MAST

The **mast** shall be supplied by NACRA.

#### C.9.4 BOWSPRIT

Only bowsprits supplied by NACRA are class legal.

- (a) The bowsprit shall be in the longitudinal centerline of the boat and not be adjusted while racing.
- (b) The end cap of the bowsprit shall always be smooth, round and blunt.

#### C.9.5 STANDING RIGGING

Standing **rigging** shall be supplied by NAND.

#### C.9.6 RUNNING RIGGING

Running **rigging** may be replaced from the original supplied by NACRA as long as it is equal to or greater than original gauge .

- (a) USE
  - (1) Running **rigging** shall be arranged as supplied by NAND.
  - (2) Spinnaker sheet blocks and mounting is open, additional blocks may be added.

#### C.9.7 TRAPEZE WIRE

Trapeze wire shall be supplied by NAND.

#### C.10 SAILS.

##### C.10.1 MODIFICATIONS, MAINTENANCE AND REPAIR

- (a) Telltales are allowed, number and placement are optional
- (b) Advertising, in line with ISAF Regulation 20, is allowed as long as size and shape of **sail** are not altered.
- (c) Battens shall be supplied by NAND
- (d) Battens shall be placed in **batten pockets**.
- (e) **Sails** shall not be altered in any way, however routine maintenance and repair are allowed as long such actions do not alter shape or size from the original.

##### C.10.2 LIMITATION

- (a) Only one set of **sails** may be using during an event, permission to change agreed in writing with the Race Committee

### **C 10.3 MAINSAIL IDENTIFICATION**

- (a) Number on **sails** shall be in line with ISAF Appendix G.
- (b) The class Insignia shall be the NACRA logo as prescribed by NACRA and shall be displayed between 2<sup>nd</sup> & 3<sup>rd</sup> batten.

## **Section D – Hull.**

### **D.1 PARTS**

#### **D.1.1 MANDATORY**

- (a) **Hull** shells
- (b) Front beam
- (c) Rear Beam
- (d) Trampoline

### **D.2 GENERAL**

#### **D.2.1 RULES**

- (a) The **hulls** shall comply with the **Class Rules** and Building Specification in force at the time of initial manufacture declaration.

#### **D.2.2 MODIFICATIONS, MAINTENANCE AND REPAIR**

The **hulls** shall not be altered in any way except those allowed in Section C of these **Class Rules**.

- (a) Colored materials may be used during construction
- (b) If any **hull** is damaged and needs considerable repair then this must be carried out to the original building specification.

#### **D.2.3 IDENTIFICATION**

The **hulls** shall carry a manufacturers identification number, permanently placed on the starboard transom.

### **D.3 HULLS**

D.3.1 (a) The **hulls** shall comply with the Building Specification in force at the time of manufacturer and shall be manufactured by NACRA,

- (b) Modifications, maintenance and repairs are permitted to include sanding, polishing, waxing, BUT the use of surface coatings with additives such as increased sliding agents, friction reducing agents or additives to reduce the specific gravity of the surface coating are not allowed.

### **D.4 BEAMS**

- (a) The beams shall be straight when not under load
- (b) Beams may be fitted with sail adjustment fittings
- (c) Beams may have compass(es) fitted.
- (d) Any holes drilled shall only be as large as necessary for fittings

## **D.5 TRAMPOLINE**

The trampoline shall be made of mesh and supplied by NACRA and must completely cover the area between the beams and may have an uncovered area of maximum 10 cm between the trampoline and the **hulls**.

## **D.6 ASSEMBLED HULL**

### **D.6.1 FITTINGS**

**Hull** fittings shall comply with the Building Specification in force at the time of manufacture except when altered, added or replaced as permitted by Section C of these **Class Rules**.

## **Section E – Hull Appendages**

### **E.1 PARTS**

#### **E.1.1 MANDATORY**

(a) **Daggerboards**

(b) **Rudder** blade, **rudder** stock, tiller and **cross bar**

### **E.2 GENERAL**

#### **E.2.1 RULES**

**Hull appendages** shall comply with the **Class Rules** in force at the time of **Certification** and be manufactured by NACRA.

#### **E.2.2 MODIFICATIONS, MAINTENANCE AND REPAIR**

(a) **Hull** appendages shall not be altered in any way except as permitted by Section C Of these Class Rules.

(b) Routine maintenance such as waxing and polishing is permitted without Remeasurement

#### **E.2.3 MANUFACTURERS**

The **daggerboards, rudder blades, rudder** stock/tiller and cross bar shall be made only by a manufacturer licensed by NACRA to produce these.

### **E.3 DAGGERBOARDS**

The **daggerboards** shall comply with the Building Specification in force at the time of manufacture.

### **E.4 RUDDER BLADE, RUDDER STOCK, TILLER AND CROSS BAR**

The **rudder** blades and **rudder** stock/tiller and **cross bar** assembly shall comply with the Building Specification in force at the time of manufacture by NACRA.

## **Section F- Rig**

### **F.1 PARTS**

#### **F.1.1 MANDATORY**

- (a) **Mast**
- (b) **Boom**
- (c) Standing **rigging**
- (d) Running **rigging**
- (e) **Bowsprit**

### **F.2 GENERAL**

#### **F.2.1 RULES**

- (a) The, spars and fittings shall all comply with the **Class Rules** applicable at time of manufacture by NACRA.
- (b) The standing and running **rigging** shall comply with the current Class Rules.

#### **F.2.2 MODIFICATIONS, MAINTENANCE AND REPAIR**

The **spars** shall not be altered in any way except as permitted in Section C of the **Class Rules**.

### **F.3 MAST**

The **mast spar** and its fittings shall comply with the Building Specification in force at the time of manufacture of the **spar** by NACRA.

### **F.4 BOOM**

The **boom spar** and its fittings shall comply with the Building Specification in force at the time of manufacture by NACRA.

### **F.5 BOWSPRIT**

The **bowsprit** and its fittings shall comply with the Building Specification in force at the time of manufacture by NACRA.

### **F.6 STANDING RIGGING**

The standing **rigging** and its fittings shall comply with the Building Specification in force at the time of manufacture by NACRA.

### **F.7 RUNNING RIGGING**

The running **rigging** and its fittings shall comply with the Building Specification in force at the time of manufacture by NACRA.

#### **F.7.1 CONSTRUCTION & MATERIALS MANDATORY**

- (a) All lines, mainsheet, jib sheet, spinnaker downhaul, etc are free to be replaced with length and materials as desired. See C.9.1.e.

## **Section G – Sails**

### **G.1 PARTS**

#### **G.1.1 MANDATORY**

- (a) **Mainsail**
- (b) Spinnaker

### **G.2 GENERAL**

#### **G.2.1 RULES**

The **sails** shall comply with the **Class Rules** applicable at time of manufacture by NACRA

#### **G.2.2 SAILMAKER**

The **sails** shall be made only by;

- (a) Performance Sails
- (b) Elliott / Pattison Sail Makers

### **G.3 MAINSAIL**

The mainsail shall comply with the Building Specification in force at the time of manufacture by NACRA.

#### **G.3.1 IDENTIFICATION**

- (a) The **class** insignia shall affixed as specified in Section C.

### **G.5 SPINNAKER**

The spinnaker shall comply with the Building Specification in force at the time of manufacture by NACRA.

## **Section H – Technical Data**

### **H.1 PLATFORM**

Maximum overall length hull is 17.5 ft.  
Maximum overall length beam is 8.5 ft.

### **H.2 RIGGING**

Length of **mast** (extrusion / carbon tube) is 29.9 ft.  
Length of **bowsprit** is shell be to specification at time of manufacture.

### **H.3 SAILS**

**Mainsail** area is 14.45 m<sup>2</sup> (excluding mast)  
Spinnaker area is 18.5 m<sup>2</sup>

### **H.4 WARRANTY**

**Modifications allowed by these class rules may not necessarily be covered by the manufacturer's warranty.**



## **I Amendments, changes or additions**

### **I.1 Dispensation of non-F17na compliant design.**

- (a) Any Nacra I-17R / F17 that is class legal per the INCA F17 **Class Rules**, which were in effective as of December 31, 2008.

### **I.2 SAILS I-17R/ FR17**

- (a) **Carbon rig: Mainsail** area is 14.45 m<sup>2</sup> (excluding mast)  
Spinnaker area is 18.5 m<sup>2</sup>
- (b) **Aluminum rig: Mainsail** area is 14.45 m<sup>2</sup> (excluding mast)  
Spinnaker area is 18.5 m<sup>2</sup>
- (c) **Nacra F17 big boy spinnaker:** will no longer be offered, will remain legal until the spinnaker needs replacing.

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