Amendment One
Updates to index and cover page

Amendment Two
C.1.2 LIMITATIONS

Amend to add:

(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.

Amendment Three
C.6 BOAT

To delete:

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

Amendment Four
C.6.1 MODIFICATIONS

To add:

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:

To add:

(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.
Amendment Five
C.6.1 MODIFICATIONS
To move and re-number accordingly the following items from C.6.2 MAINTENANCE to C.6.1 MODIFICATIONS

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

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

Amendment Six
C.6.3 REPAIR

To delete:

(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) Localized repairs to damaged hulls, mast, daggerboards, rudder vertical, rudder horizontal may be undertaken. Any repair shall not be used to reinforce an existing part or add a function. Before any repair is attempted, the International Class Technical Committee, or if at an event the Event Measurer, shall be advised and approval sought to undertake the repair.

Amend to read:

(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.
Amendment Seven
C.6.4 WEIGHT
Amend to read:
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.

Amendment Eight
C.6.5 CORRECTOR WEIGHTS
Amend to read:

(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.

Amendment Nine
C.7 HULL
To delete:
The following is permitted without the approval of the NS. Unless stated otherwise items mentioned in the section may be obtained from any manufacturer or supplier.

Amendment Ten
C.7.1 MODIFICATIONS
To add:
The following items may be obtained from any manufacturer or supplier unless stated otherwise.

(a) Additional non-skid tape may be applied to:

To add:

(iv) the front cross beam
Amendment Eleven
C.7.2 MAINTENANCE
Amend to read:

(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.

Amendment Twelve
C.7.3 REPAIR

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

To delete:

(i) before any repair is attempted, email measurement@nacra17.org, the International Class Technical Committee, or if at an event, the event measurer, shall be advised and approval sought to undertake the repair.

(ii) Necessary repairs may be made provided repairs are made in such a way that the essential shape and function is not materially affected, it does not reinforce an existing part or add a function.

(iii) Areas of damage repair may be filled, sanded and polished over.

Amend to read:

(i) Repairs to **hulls** require written approval of the IN17CA Technical Committee.

Amendment Thirteen
C.7.4 LIMITATIONS

Amend to read:

(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.

Amendment Fourteen
C.8 HULL APPENDAGES

To delete:

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

C.8.1 MAINTENANCE

Amend to read:

(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 600 mm.

(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.

Amendment Sixteen

C.8.2 REPAIR

To delete:

(a) Repairs to chips in the leading and trailing edges of blades may be filled and blended in.

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

To add:

(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
Amendment Seventeen

C.8 HULL APPENDAGES

To add:

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.

Amendment Eighteen

C.9 BEAMS-ASSEMBLED PLATFORM

To delete:

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

Amendment Nineteen

C.9.1 MODIFICATIONS

To add:

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

Amendment Twenty

C.9.1 MODIFICATIONS

To move and re-number accordingly the following item from C.9.2 MAINTENANCE AND REPAIR to C.9.1 MODIFICATIONS

(e) (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.
(d) (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.

To add:
(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.

**Amendment Twenty-one**

C.9.3 **FITTINGS DIMENSIONS**

Amend to read:

(a) **Front Cross Beam curvature**

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front cross beam curvature</td>
<td></td>
<td>15mm</td>
</tr>
</tbody>
</table>

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.

**Amendment Twenty-two**

C.10 **RIG**

To delete:

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

**Amendment Twenty-three**

C.10.1 **MODIFICATIONS**

To add:

The following items may be obtained from any manufacturer or supplier unless stated otherwise.
Amendment Twenty-four

C.10.2 MAINTENANCE AND REPAIR

(a) Routine maintenance such as cleaning, polishing and the replacement of broken fittings is permitted.

Amend to read:

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

Amendment Twenty-five

C.10 RIG

Amend to add:

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.

Amendment Twenty-six

C.10.4 FITTINGS

To add:

(4) Mechanical wind indicators may be used.

Amendment Twenty-seven

C.10.5 LIMITATIONS

Amend to read:

(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.

Amendment Twenty-eight

C.10 RIG

To delete:

C.10.5 DIMENSIONS

(a) The forestay length is controlled by laying the forestay, including the chainplate or turnbuckle (C.10.7(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.

Amendment Twenty-nine
C.10.6 STANDING RIGGING

(a) MODIFICATION, MAINTENANCE AND REPAIR.

To add:

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

Amend to delete table and read:

(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.

Amend to add:

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

C.10.6 STANDING RIGGING

Amend to add:

(b) DIMENSIONS

   (i) Forestay Control
   
   The minimum distance measured along the foreshide 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.

Amend to read:

(c) USE

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

Amendment Thirty-one

C.10 RIG

Amend to delete:

C.10.5 DIMENSIONS

(a) The forestay length is controlled by laying the forestay, including the chainplate or turnbuckle (C.10.7(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.10.6 FITTINGS

   (a) Optional mechanical wind indicators

Amendment Thirty-two

Section H: MANUFACTURED PART LIST

Amend to read:

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<tr>
<th></th>
<th>Rear Cross Beam</th>
<th>Required</th>
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<th>Nacra Licensed suppliers only</th>
<th>Harken licensed suppliers only</th>
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<tr>
<td>1</td>
<td>Traveler track car HK2765</td>
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<td></td>
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<tr>
<td>1</td>
<td>Harken swivel base HK639NP</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Harken 29mm bullet sheave H160</td>
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<td>No</td>
<td></td>
<td></td>
</tr>
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<td>2</td>
<td>Chickenwire shockcord blocks</td>
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<td>No</td>
<td>16 mm sheave ± 4 mm diam. sheave</td>
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</table>

Amend to read:
Amend to read:

<table>
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<tr>
<th></th>
<th>Mast</th>
<th>Required</th>
<th>Yes</th>
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<td>Mast</td>
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<td>2</td>
<td>Cunningham sheave micro HK277</td>
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<td></td>
<td>±3mm diam. sheave</td>
</tr>
<tr>
<td></td>
<td>Cunningham single HK348</td>
<td></td>
<td></td>
<td>±3mm diam. sheave</td>
</tr>
<tr>
<td></td>
<td>Cunningham Pivoting H395</td>
<td></td>
<td></td>
<td>±3mm diam. sheave</td>
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<tr>
<td></td>
<td>or Spinlock PXR0206/VP</td>
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<td></td>
</tr>
<tr>
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<td>Spi Halyard Pivoting H2156</td>
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<td>Harken licensed suppliers only</td>
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<td>clamcleat cunningham CL271</td>
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<tr>
<td>1</td>
<td>Mast rotation cam-matic HK469</td>
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</tr>
<tr>
<td>1</td>
<td>Eye-strap 16mm single HK442</td>
<td></td>
<td></td>
<td>±3mm diam. sheave</td>
</tr>
</tbody>
</table>

Amend to read:

|   | Ruddersystem | none | no | Nacra Licensed suppliers only |
| 2 |              |      |    |                               |

Amendment Thirty-three

Section I: RIGGING LIST

Amend to read:

| Bowsprit bridle | 2 | 1475 | 2.5 | Standard 1 x 19 stainless steel wire | diam: ±0.1 mm, length ± 5 mm |

End of document