



IRC Congress 2016

IRC Technical Committee
Proposed IRC Rule Changes For 2017

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From The

IRC Technical Committee

Changes to the Equipment Rules of Sailing

(ERS)

A word used as defined by ERS is printed in **bold**.

A word used as defined by IRC Definitions is printed underlined.

Proposed additions are printed in **blue**.

Proposed deletions are printed in ~~struckthrough-red~~.

Original version : 1.
Version: 1.
Changes: .



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Changes to the Equipment Rules of Sailing (ERS)

Reason for changes: The Universal Measurement System (UMS) project, a joint venture between IRC, ORC and US Sailing, has as a primary goal that measurement of boats shall be to a common set of standards and measurement definitions. As a result of input from the UMS group, the 2017 – 2020 version of the World Sailing ERS includes a number of new and revised definitions. It is appropriate that these are adopted as appropriate by IRC.

A number points should be noted.

- i) IRC already uses ERS and therefore there is no additional complication for IRC users.
- ii) Removing parallel definitions of the same thing reduces the chances of confusion and error.
- iii) The ERS definitions proposed for adoption below are in all cases identical in practical terms to the existing IRC definitions.

1. Measurement Condition – Boat Weight

Delete: ~~17.1—**Boat Weight** is measured in the following measurement condition:~~

~~17.1.1—Dry.~~

~~17.1.2—Fully rigged with all spars (including **spinnaker pole(s)** and jockey pole (if any)), **standing rigging, backstay, running backstays and checkstays, halyards, mainsail and mizzen sheets, and vang(s)**.~~

~~17.1.3—Main engine installed, or outboard engine aboard in stowed position.~~

~~17.1.4—Batteries and fitted berth cushions on board in their normal positions if carried while racing. These items will be noted on the **boat's** certificate.~~

~~17.1.5—All permanent fixtures and fittings and items of accommodation whether detachable or not, including washboards, bunk and floorboards and saloon table (if fitted for racing) on board in their normal positions.~~

~~17.1.6—Standard fit out if rated to class standard data.~~

~~17.2—The following items shall not be on board for measurement condition:~~

~~17.2.1—**Sails, headsail and spinnaker sheets and spinnaker guys, spare standing rigging and running rigging.**~~

~~17.2.2—Fuel, water, variable ballast and the contents of any other tanks. Gas bottles shall be removed.~~

~~17.2.3—Food, cooking and catering utensils.~~

~~17.2.4—Anchors, chains, warps, mooring lines and fenders.~~



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~~17.2.5 Clothing, bedding and personal effects.~~
~~17.2.6 All removable safety equipment.~~
~~17.2.7 Tools and spare parts.~~
~~17.2.8 Loose gear.~~
~~17.2.9 Portable electronic equipment not permanently attached to the boat.~~
~~17.2.10 Crew.~~

Insert: 17.1 **Boat Weight** is measured in **Flotation Trim**.

Renumber existing Rules 17.3 to 17.5 as 17.2. to 17.4.

2. Measurement Condition – Overhangs and Draft

Amend: 18.1 Measurements shall be taken with the boat in measurement condition **Flotation Trim**. The measurement points for various configurations of **boats** are shown on the diagrams for hull shapes and are defined in Appendix 1. The dimension y shall also be supplied and dimensions h and x if appropriate.

3. Static Heel Angle

Amend: 22.3.3 There is no limit to the ~~static heel angle~~ **list angle** with ballast tanks fully filled on one side of the **boat** or with **moveable ballast** moved fully to one side. For **boats** with **variable ballast**, the maximum weight of water that can be carried on each side of the **boat** shall be declared. For **boats** with **moveable ballast**, the maximum ~~static heel angle~~ **list angle** in the **boat weight** condition (see Rule 17) with the ballast moved fully to one side shall be declared. A physical, mechanical limit shall be fitted to **moveable ballast** to prevent it being moved further than the position for the declared ~~static heel angle~~ **list angle**. Such a system shall not rely on sensors or measurement to prevent the declared ~~static heel angle~~ **list angle** being exceeded unintentionally.

4. Age Date and Series Date

Delete the IRC definitions age Date and series date. **Age date** and **series date** are now defined in ERS.



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5. HUW

Delete: ~~HUW~~ The ~~upper width~~ of the largest area headsail, the ~~upper leech point~~ being the point on the ~~leech~~ equidistant from the ~~head point~~ and the ~~three-quarter leech point~~.

Insert: HUW The **seven eighth width** of the largest area headsail.

6. MUW

Delete: ~~MUW~~ The ~~upper width~~ of the ~~mainsail~~, the ~~upper leech point~~ being the point on the ~~leech~~ equidistant from the ~~head point~~ and the ~~three-quarter leech point~~.

Insert: MUW The **seven eighth width** of the **mainsail**.