

SRS Rules 2020

SRS is the Swedish Sailing Federation's Rating System for keelboats, multihulls and dinghies. The purpose of the system is to provide boats of different kind an opportunity to race against each other. The SRS Rating is intended to represent a boat's best performance potential on a circular course in medium wind speeds. An SRS Rating is given as a single number time correction factor and the normal time correction method is Time on Time.

SRS is a semi empirical rating system where a boat's Rating is primarily an assessment of its dimensions, but the system also contains empirical and subjective elements. Due to the architecture of the system, the methods and the basis for decisions on new or modified SRS Rating and/or the assigned SRS Table are not public. The intention is to prevent boats from being designed and optimized specifically for SRS racing.

Since the SRS Rating is primarily based on boat dimensions, we want to emphasize the importance of specifying the correct dimensions and that the owner, according to "The Racing Rules of Sailing", is responsible for the data on the Certificate being correct.

SRS is intended for keelboats of all kinds, dinghies and multihulls. We recommend however that, if possible, keelboats, dinghies and multihulls should not be mixed in the same class except possibly at lowest club level.

Ratings and specifications for many types of keelboats, dinghies and multihulls are listed in the SRS Tables.

SRS_m Certificates – certificates based on owner specified boat data – or SRS_v Certificates – certificates based on verified boat data – can be issued for boats not included in any of the SRS Tables or deviating from the standard boat specification.

There are no limitations on the number and type of sails to an SRS_m or SRS_v boat, other than those the boat owner chooses. Downwind sails are assessed individually based on their expected effect on boat performance and all such sails, their dimensions and materials must therefore be reported in the certificate application.

A basic aim of the system is that it should be possible to be competitive with a normal boat and a normal sail wardrobe. Special sails such as "Code Zeros", staysails or abnormally large sail inventories, should not be a prerequisite for prominent placements.

A boat's rating will be reduced if it has a sail inventory limited to one mainsail, one genoa with HLP>135% of the foretriangle base on a roller system mounted completely above deck and one spinnaker or gennaker. A sail wardrobe with more than 2 headsails – jibs plus downwind sails – gives an increase in rating

CLASS RULES

The **SRS Rules**, as defined in A.3.1, are **class rules** when racing under the SRS System.

The SRS System may be changed at any time to prevent an unwanted or unforeseen development.

The official language of the SRS System is Swedish and in case of dispute over translation the Swedish text shall prevail.

DEL I – ADMINISTRATION

SECTION A - GENERAL RULES

A.1 Authority

SSF is the authority for and administrates the **SRS Rules**. SSF does not assume any legal liability with respect to these rules.

A.2 Abbreviations

ISAF International Sailing Federation
 RRS ISAF Racing Rules of Sailing
 ERS ISAF Equipment Rules of Sailing
 SSF Swedish Sailing Federation

A.3 Definitions

When a term is used in its defined sense it is printed in:
 italics (*abc*) if defined in the RRS.
 bold (**abc**) defined in the ERS.
 bold italics (***abc***) if defined in A.3.or G.1

A.3.1 SRS RULES

Includes the "SRS-Class Rules", the measurement manuals for mono- and multi-hull boats, the SRS *boat datasheets* and the SRS Tables.

A.3.2 SRS RATING

A rating assigned to a **boat**.

A.3.3 SRS CERTIFICATE

Certificate for racing under the SRS System. See A.3.3 a) and b).

a) SRS_m CERTIFICATE

Certificate for a *Certificate Boat*, based on owner specified boat data.

b) SRS_v CERTIFICATE

Certificate for a *Certificate Boat*, based on verified boat data.

A.3.4 STANDARD BOAT

A **boat** that complies with a boat type in an SRS Table.

A.3.5 CLASS BOAT

A **boat** that complies with a boat type designated as "class boat" in an SRS table.

A.3.6 CERTIFICATE BOAT

A **boat** that complies with its *SRS_m Certificate* or *SRS_v Certificate*.

A.3.7 BOAT DATA SHEET

Specification for a *Standard Boat*.

A.3.8 CLASS RULES

Class rules for a boat type adopted by ISAF, SSF or the Nordic Sailing Federation.

A.3.9 FLYING HEADSAILS

E.g. gennakers and spinnakers and possibly Code 0's, screechers, see C.4.3.

A.4 Rules, Notice of Race and Sailing Instructions

A.4.1 RACING RULES OF SAILING

Exceptions from RRS 49, 50, 51 and 52 can be made by:

- a) The *SRS Rules*
- b) *Boat Data Sheets*
- c) *SRS Certificates*
- d) *Class rules*
- e) The Notice of Race and Sailing Instructions

A.4.2 EQUIPMENT RULES OF SAILING

- a) ERS Part I, Part II and Part III applies.
- b) Measurements shall be taken in accordance with the ERS unless otherwise specified.

A.4.3 NOTICE OF RACE AND SAILING INSTRUCTIONS

- a) The Notice of Race and Sailing Instructions shall invoke the *SRS Rules*.
- b) The Notice of Race and Sailing Instructions may specify:
 - i) the type of *SRS Certificate* participating boats shall have.
 - ii) that a boat with an alternative *SRS Rating* in its *SRS Certificate*, or *Boat Data Sheet*, for racing without *downwind sails* may register without such sails. The Notice of Race and Sailing Instructions may specify a time limit for such registration.
 - iii) that *downwind sails* may not be used and that the *SRS Rating* for racing without *downwind sails* will be used.
 - iv) that a monohulled boat with a maximum of two **crew** members may race with a "Shorthanded" *SRS Rating*. See A.6.1 f) or A.6.2 e).
 - v) limitations on number of **crew** members and/or **crew** weight.
 - vi) limitations on which boats may participate in a race. E.g. based on size, rating, type of boat, multihulls, keelboats, dinghies or any other definition.

A.4.4 INTERPRETATIONS

A jury that is in doubt as to what a rule in the *SRS Rules* means shall refer the matter to the SSF. See RRS 64.3 b).

A.5 SRS Tables

There are SRS Tables for:

- a) Keelboats
- b) Dinghies
- c) Multihulls

A.6 SRS Certificates and Trial Certificates

A.6.1 SRS_m CERTIFICATE

- a) Can be issued for a **boat** deemed suitable for racing under the SRS System.
- b) Is based on a completed "Application for SRS Certificate" which accuracy has been certified by the boat owner.
- c) Includes *SRS Ratings* that may be reviewed under certain circumstances. See the SSF website for more information.
- d) Is limited to three *SRS_m Certificates* per boat and calendar year. Each *SRS_m Certificate* can be updated 1 time in accordance with A.6.1 e).
- e) For a monohulled boat includes an *SRS Rating* for "shorthanded" racing that can also be for an alternative sail configuration. See A.4.3 b) iv).
- f) Expires when any of the following occurs::
 - i) The boat has changed ownership.
 - ii) The boat no longer complies with the *SRS rules* and/or its *SRS_m Certificate*.
 - iii) The *SRS_m Certificate* has been revoked.
 - iv) A new *SRS_m Certificate* or *SRS_v Certificate* has been issued.
 - v) The 31st of December the year of issue has passed.
- g) SSF may:
 - i) request the information to be verified by an **official measurer**.
 - ii) standardize measurements and weights for series produced boats and use these standard measurements instead of those given by the boat owner.
 - iii) deny issuing a certificate to a boat owner or revoke an existing certificate if SSF judges that there is a risk for misuse of the system.

A.6.2 SRS_v CERTIFICATE

- a) Can be issued for a **boat** that is deemed suitable for racing under the SRS System.
- b) Is based either:
 - i) On a completed "Application for SRS certificate" whose accuracy has been verified by an **official measurer**.
 - ii) On a *class boat's certificate* according to its *class rules*, provided the class is listed as qualified for this possibility at the SSF's website.
 - iii) On the boat's *certificate* for ORCi or Endorsed IRC.
- c) Includes *SRS Ratings* that may be reviewed under certain circumstances. See the SSF website for more information.
- d) Is limited to three *SRS_v Certificates* per boat and calendar year. Each *SRS_v Certificate* can be updated 1 time in accordance with A.6.2 e).
- e) For a monohulled boat includes an *SRS Rating* for "shorthanded" racing that can be for an alternative sail configuration. See A.4.3 b) iv).
- f) Expires when any of the following occurs::
 - i) The boat has changed ownership.
 - ii) The boat no longer complies with the *SRS Rules* and/or its *SRS_m Certificate*.
 - iii) The *SRS_m Certificate* has been revoked.
 - iv) A new *SRS_m Certificate* or an *SRS_v Certificate* has been issued.
 - v) The 31st of December the year of issue has passed.

- g) SSF may:
 - i) deny issuing a certificate to a boat owner or revoke an existing certificate if SSF judges that there is a risk for misuse of the system.

A.6.3 TRIAL CERTIFICATES

- a) A boat owner can apply for a Trial Certificate for his/her owned boat(s) to try out how different rig and sail configurations affect the rating.
- b) A Trial Certificate can only relate to deviations from an existing *SRS certificate* or *Boat Data Sheet*.
- c) No more than 3 Trial Certificates will be issued per boat and calendar year.
- d) SSF can refuse a Trial Certificate if there is a risk of abuse of the system.

SECTION B – BOAT ELIGIBILITY

B.1 Compliance with rules

B.1.1 STANDARD BOAT

A *Standard boat* shall comply with:

- a) The *SRS rules*.
- b) The information in the *Boat Data Sheet* for the boat type, except when the *SRS Rules* allow deviation.
- c) The **hull, hull appendages**, interior fit out and **rigging** shall be according to the manufacturers standard, except when the *SRS Rules* allow deviation.
- d) It's registration.

B.1.2 CLASS BOAT

A *Class Boat* shall comply with:

- a) The *SRS rules*.
- b) The boat type's **class rules** except when the *SRS Rules* allow deviations.
- c) It's registration.

B.1.3 CERTIFICATE BOAT

A *Certificate Boat* shall comply:

- a) The *SRS rules*.
- b) Its *SRS Certificate*.
- c) It's registration

PART II - REGULATIONS AND RESTRICTIONS

A rule of Section C applies in case of conflict with another rule in the *SRS Rules*.

A **boat** and its **crew** shall comply with the rules in Part II when the boat is *racing*.

SECTION C - CONDITIONS FOR RACING

C.1 General

C.1.1 RULES

- a) RRS 49.2 - Crew Position; Lifelines

The text of RRS 49.2 is deleted and replaced with:

If a boat has lifelines they shall be taut and competitors shall not place any part of their torsos outside them except briefly to perform a necessary task. On boats equipped with upper and lower lifelines, a competitor sitting on deck facing outboard with his waist inside the lower lifeline may have the upper part of his body outside the upper lifeline.

C.2 Certificates

- C.2.1 A *Certificate Boat* shall hold a valid *SRS Certificate*.

C.2.2 The **SRS Certificate**, or a copy thereof, shall be on board when *racing* and shall be available to the race committee before the race.

C.2.3 A **Class Boat** is not required to have a **measurement certificate** that may be required by **class rules**

C.3 Boat

C.3.1 EQUIPMENT ON BOARD

- a) When *racing* a boat shall have only equipment on board that is permitted under the *rules*.
- b) Electronic equipment for performance measurement, tactical decision support, navigation and communication may be used provided its usage does not violate RRS 41.
- c) An outboard engine that is included in the weight of a **certificate boat** shall, if not otherwise stated on the certificate be stored on its bracket where it is positioned when in use

C.3.2 DISPLACEMENT CONTROL

See the respective measurement manual for mono- and multi-hulls.

C.4 Sails

C.4.1 LIMITATIONS IN NUMBER AND TYPE

- a) STANDARD BOATS
See the **Boat Data Sheet** for the boat type.
- b) CLASS BOATS
See the **class rules** for the boat type.
- c) CERTIFICATE BOATS
See the **SRS Certificate**.

Storm and heavy weather sails according to ISAF Offshore Special Regulations 4.26 may be used in addition to other permitted sails. A.4.3 a) may also apply.

C.4.2 HEADSAILS, GENERAL

- a) USE
 - i) **Headsails**, with the exception of **flying headsails**, shall be tacked down aft of the **foretriangle base's** forward measurement point. See also the "FB" in the measurement manual and RRS 54 Forestay and **Headsail Tacks**.
 - ii) A **headsail** shall not be sheeted at more than one point on the **sail** at the same time.
 - iii) No other **headsail** shall be set with its **clew** attached to a **whisker pole** when a **flying headsail** is set. See RRS 50.3 c) regarding use of outriggers.
 - iv) A spinnaker staysail shall only be used together with a **flying headsail**.

C.4.3 FLYING HEADSAILS

- a) USE
 - i) Shall be **set flying**.
 - ii) Shall be tacked down to the **hull** or **bowsprit**. If the sail is tacked down at, or in front, of the **foretriangle base's** forward measurement point and shall, provided the **SRS Certificate** does not specify otherwise, have the **tack** attachment point at the **boat's** centreplane. See also the "FB" in the measurement manual and RRS 54 - Forestay and Headsail Tacks.
 - iii) May be tacked down with a line between the **tack** and the attachment point and no other device shall affect the line or **tack**.
 - iv) Shall not be set with a **whisker pole**.
 - v) May, if so stated on the **SRS certificate** or **Boat Data Sheet**, be tacked on a **spinnaker pole**
 - vi) Not more than one flying headsail shall be set simultaneously except during sail changes.

C.4.4 SPINNAKER STAYSAILS

- a) USE
A spinnaker staysail:
 - i) Shall be tacked down aft of the **foretriangle base's** forward measurement point. See also the "FB" in the measurement manual and RRS 54 - Forestays and Headsails Tacks.
 - ii) Shall not be set with a **whisker pole**.

C.5 Crew

The number of **crew** members and the **crew** weight is free unless otherwise specified in

- i) **SRS-boat data sheet** or the **SRS-certificate**. Such a limitation shall be explicitly stated on the **SRS boat data sheet** or the **SRS-certificate**. Any crew limitation stated in a **class boats** class rules is not valid for SRS-racing
- ii) the Notice of Race and Sailing Instructions

SECTION F – SPARS

F.1 Rig

F.1.1 CONSTRUCTION

a) STANDARD BOATS

Material and dimensional limitations are specified in the **Boat Data Sheet** for the boat type, see also B.1.1 c).

b) CLASS BOATS

Materials and dimensional limitations are specified in the **class rules** for the boat type.

c) CERTIFICATE BOATS

Materials and dimensional limitations are specified in the **SRS Certificate**.

F.1.2 LIMIT MARKS

a) STANDARD BOATS and CERTIFICATE BOATS.

- i) The **main boom spar** shall carry an **outer limit mark**. See ERS B.1.3, F.3.1 a) and F.3.2 a).
- ii) The **mast spar** shall carry a **lower limit mark** and an **upper limit mark**. See ERS B.1.1, F.2.1 d) and F.2.2 a) and ERS B.1.2, F.2.1 e) and F.2.2 b).
- iii) **Limit marks** shall be minimum 20 mm wide. See ERS C.4.7 and F.1.9 a)i).

b) CLASS BOATS

According to the **class rules** for the boat type.

F.1.3 WHISKER POLE

- a) The **whisker pole length** is free.

SECTION G - SAILS

G.1 Definitions

G.1.1 SYMMETRIC FLYING HEADSAIL

A **symmetric flying headsail** shall be symmetric in measurements, material and cut with respect of a line between the **head point** and the **mid foot point**. The difference of any measurement between the two sides shall be less than 1% of the larger measurement.

G.2 Dimensions and construction

G.2.1 DIMENSIONS

a) STANDARD BOATS

- i) Allowed dimensions are given in the **boat data sheet** for the boat type.
- ii) The **half width** of a **downwind sail** shall, if not specified otherwise in the **boat data sheet**, be at least 65% of the **foot length**.
- iii) If the **boat data sheet** states the same maximum length of SLE and SLU all **flying headsails** on board shall be **symmetric flying headsails**

b) CLASS BOATS

- i) Permitted dimensions are stated in the **class rules** for the boat type.

c) CERTIFICATE BOATS

- i) Allowed dimensions are stated in the boat's **SRS Certificate**.
- ii) All **flying headsail** true measurements shall be stated in the **SRS Certificate** and may not deviate more than +0% / -1% at **equipment inspection**.

G.2.2 CONSTRUCTION

a) STANDARD BOATS

- i) The construction of the **sails** shall be **soft sail**.
- ii) The **ply** material is free except for *flying headsails*, in which the **body of the sail** shall be of **woven cloth**.

b) CLASS BOATS

- i) Construction shall be as stated in the **class rules** for the boat type.

c) CERTIFICATE BOATS

- i) If the *SRS-certificate* does not state otherwise the construction of the **sails** shall be **soft sail**.
- ii) Provided the *SRS Certificate* does not state otherwise, the **ply** material is free except for *flying headsails*, in which the **body of the sail** shall be of **woven cloth**.

G.3 Certification

If a boat has an *SRSv-certificate* all sails except storm sails conforming to World Sailing Offshore Special Regulations 4.2 shall be **certified**. The **Measurer** shall write the sails measurements on, or adjacent to, the **certification mark**.

PART III – APPENDIX

APPENDIX 1 – CALCULATION OF RESULTS

Ap1.1 Racing results are calculated according to the SRS ORGANIZER'S GUIDE.

Ap1.2 Finishing time and corrected time shall be rounded to whole seconds. Equal corrected time results in equal placing.

For a list of symbols and definitions see the measurement manuals

A right marginal marking indicate a substantial change from the previous version.

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