



# INITIAL ASSIGNMENT FORM

2014

INITIAL SPEED POTENTIAL OF A STANDARD BOAT

YACHT CLASS:

<p style="text-align: center;"><b>STANDARD MEASUREMENTS</b></p> <p style="text-align: center;"><i>Please include a line drawing, brochure of the boat, keel drawing or photo and resources at right.</i></p> <p><b>Specs Source:</b> _____</p> <p><b>Rig:</b> Type _____          Backstay Config _____          Centerline FS Y/N _____</p> <p>J - <input type="text"/>.<input type="text"/><input type="text"/> ft.    JSP - <input type="text"/>.<input type="text"/><input type="text"/> ft.          I - <input type="text"/>.<input type="text"/><input type="text"/> ft.    ISP - <input type="text"/>.<input type="text"/><input type="text"/> ft.          E - <input type="text"/>.<input type="text"/><input type="text"/> ft.    P - <input type="text"/>.<input type="text"/><input type="text"/> ft.</p> <p><b>Foils:</b> Keel Type _____</p> <p><b>Hull</b>          Prop – (OB/EXP/APR/SDR) _____</p> <p>Length of Hull (LH) - <input type="text"/>.<input type="text"/><input type="text"/> ft.          Length Waterline (LWL) - <input type="text"/>.<input type="text"/><input type="text"/> ft.          Draft - <input type="text"/>.<input type="text"/><input type="text"/> ft.          Beam - <input type="text"/>.<input type="text"/><input type="text"/> ft.          Displacement - <input type="text"/><input type="text"/>,<input type="text"/><input type="text"/> lbs</p>	<p style="text-align: center;"><b>RESOURCES</b></p> <p style="text-align: center;"><i>See Rating Review Primer</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">US Sailing Region</td> <td style="width: 25%;">Handicap</td> <td style="width: 25%;">ExpCd</td> <td style="width: 25%;"># Bts</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </table> <p>Other Msmt    IOR _____                            IMS _____                            MORC _____                            IRC _____</p> <p>Comparable Lake Ontario Yachts    FS-SP/NFS-SP</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">_____</td> <td style="width: 20%;">-</td> </tr> <tr> <td>_____</td> <td>-</td> </tr> <tr> <td>_____</td> <td>-</td> </tr> <tr> <td>_____</td> <td>-</td> </tr> <tr> <td>_____</td> <td>-</td> </tr> <tr> <td>_____</td> <td>-</td> </tr> <tr> <td>_____</td> <td>-</td> </tr> </table> <p>C.Kramer MPR _____          S.Killing-CalcRating _____          Club Handicapper _____            "Best Approximation" _____</p>	US Sailing Region	Handicap	ExpCd	# Bts	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	-	_____	-	_____	-	_____	-	_____	-	_____	-	_____	-
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CUS/MOD: Boat Description: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Handicap	Flying Sails	Non FS
Best Approximation SP	s/m	s/m
Cus/Mod Adjustment	s/m	s/m
Recommended SP	s/m	s/m
New Yacht Adj.	s/m	s/m
<b>NEW CLASS SP</b>	<b>s/m</b>	<b>s/m</b>
R (Optional)	s/m	s/m
ASP (Optional)	s/m	s/m

Dated: \_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_\_  
*Club Handicapper Signature*

Dated: \_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_\_  
*District Handicapper Signature*

## PHRF – LO INITIAL ASSIGNMENT FORM INSTRUCTIONS

*This form is intended for the yacht that is not currently in the PHRF – LO Database. It must accompany a completed Certificate Application and Change Form and the appropriate fee. The Club Handicapper completes the YACHT CLASS, STANDARD MEASUREMENTS, RESOURCES and CUS/MOD: Boat Description: Sections of the form and assures its accuracy and completeness. All forms and any fee are then forwarded to the District Chief Handicapper for District action before it is sent to the PHRF-LO Administrative Office.*

**YACHT CLASS** – Identify the yacht class as specified on the manufacturer’s brochure or other documentation.

**STANDARD MEASUREMENTS** (The Standard Measurement information is found in the manufacturer’s brochure or other manufacturer supplied material)

*Hard measurements (rig and hull measurements) are recorded in decimal feet, accurate to the nearest 0.01 foot while soft measurements (sails) are recorded in decimal feet, accurate to the nearest 0.1 foot.*

**Specs Source:** Please indicate if the specs listed have been obtained by a Internet Source, Brochure, Owner measured, Handicapper Measured or PHRF-LO version

**Rig** – The designation of the yacht’s rig: cutter, cat boat, cat ketch, sloop, ketch, schooner, yawl, etc. and Mast Head (MH) or 15/16, 7/8, ¾, etc.

**Backstay Configuration** – Indicate as one of: Conventional, None, Deflected, Removable, Running Centerline FS – Indicate “Yes”, if standard FS tacks to the Centerline (Non-articulating).

**J** – Distance from the forward side of the mast to the point where the headstay attaches to the deck or bowsprit in a direction perpendicular to the mast..

**JSP** – is defined as the length of the class spinnaker pole or bowsprit pole. Described as the farthest distance from forward side of the mast to the “Standard Equipment supplied”

**I** – is defined as the “Standard Equipment supplied” spinnaker hoist, measured from the bottom of the spinnaker halyard, when drawn horizontally forward from the mast, to the level of the sheer line abreast the mast.

**ISP** – the spinnaker hoist, measured from the bottom of the spinnaker halyard, when drawn horizontally forward from the mast, to the level of the sheer line abreast the mast.

**E** – length measured along the boom from the aft side of the mast including any external track or groove to the aftermost position to which the sail is permitted to extend.

**P** – the distance along the aftside of the mast from the top of the boom to the black band at the top of the mast or the top of the main halyard sheave.

**Keel Type** - Indicate the type of keel eg: Deep Keel, Fin Keel, Shoal Draft (See Handicappers manual for additional types)

**Prop** – Indicate one of either: Outboard (OB), Exposed to flow (Exp), In aperture (APR), Saildrive (SDR)

**Length of Hull (LH)** – Distance from the forward most part of the deck and the aft-most part of the stern.

**Length at Waterline (LWL)** – Distance from the intersection of the bow and the water to the intersection of the stern or rudder and the water, whichever is longest.

**Draft** – The depth of the vessel

**Beam** – The widest point of the boat measured perpendicular to the centerline.

**Displacement** – The weight of the yacht, in pounds.

**RESOURCES** – researched by the **Club Handicapper** to help develop, establish and justify an initial handicap.

**US Sailing** - Other PHRF region handicaps from the **US Sailing PHRF Handicaps** book.

*Examine the prevailing handicaps for the yacht class with special consideration to:*

- 1) Regions adjacent to Lake Ontario (the Great Lakes, the Northeast and New England)
- 2) Regions with two or more yachts in the class
- 3) Regions with more experience/confidence in their handicaps (with “B” or “C” level handicaps)

**Other Msmt** – Convert popular measurement rules to PHRF - TOD handicaps (may be derived from the Kramer+.xls program)

- 1) IOR             $SP=2160 \times (1/\sqrt{\text{IOR Rated Length}})-1/\sqrt{150})-125$   
(unreliable, mean difference age and design dependent)
- 2) IMS             $SP=\text{IMS}(\text{GP})-550$
- 3) MORC          $SP=2160 \times (1/\sqrt{\text{MORC}})-1/\sqrt{160})-112$   
(mean difference –3.51 sec/mile, very weight sensitive)
- 4) IRC             $SP=(650/\text{TCF})-550$

**Comparable Lake Ontario Yachts** - Select three to six yachts with similar SA/D values, handicaps, length overall (LOA), and displacements.

Look for similar SA/D values in the Standard Boat Characteristics List (in the Annual Race Analysis), then check for similar handicap, LOA, and displacement figures.

**C. Kramer’s MPR (CKSP) & S. Killing CalcRating (SKSP).** Given the values in the STANDARD MEASUREMENT Section above, the Handicappers Worksheet.xls program (available through the handicapper section of the PHRF – LO web site) will calculate the RSA/D, CKSP and SKSP values. *The Kramer formula is very sensitive to the AK (Keel Aspect) value. It is important that this value be accurately measured and recorded.*

**CUS/MOD Boat Description:** (described in Part I of the PHRF – LO Handbook.) Record any yacht alterations from class made at the factory (Custom) and any yacht alterations from class made after its manufacture (Modified).

### **Supplemental Sources for STANDARD MEASUREMENTS**

Search for a website sponsored by the yacht manufacturer or class association or contact the PHRF – LO Administrative Office to see if such data is in the US Sailing database. As necessary, measure or otherwise confirm any measurement data in question.

## District Level Initial Assignment Checklist

### Instructions:

*Upon receipt of an Initial Assignment and Certificate Application form from a Club Handicapper (for a yacht new to the PHRF-LO database), the District Chief Handicapper will complete the front side of this form to assure all information necessary to assign a handicap is provided. It is then sent with the certificate application and change form and the initial assignment form to the PHRF – LO Administrative Office.*

### Standard Measurements:

*Assure each section of the initial assignment form, Standard Measurements section, is properly completed and check off the corresponding boxes. Also assure the form is accompanied by a manufacturer's brochure giving a line drawing or photograph of the yacht's profile and all necessary dimensions. Yacht Class materials that provide the same information are acceptable. Any information not provided through the above sources should be physically measured, recorded, and provided by the Club Handicapper and accompany the Certificate Application and the Initial Assignment Forms.*

### Resources:

*Assure the Club Handicapper provides adequate information to support his/her recommended handicap. If any of the requested information is missing, determine why it was not submitted.*

### Custom/Modified Yacht:

*If the Club Handicapper indicates that this is a Modified or Custom yacht, assure the description of the changes from the class yacht are adequately described and support any change to the yacht's base handicap.*

### Explain any no answers to the questions:

*Identify the reasons for any no answers to the questions asked by the District Level Initial Assignment Checklist.*

### Rationale for assigned handicap:

*Provide the basis of support for the handicap recommended to PHRF – LO by the District.*

**PHRF Lake Ontario**  
**District Level Initial Assignment Checklist**

*To be completed by the District Chief Handicapper:*

Standard Measurements:

- |  | Yes | No  |
|--|-----|-----|
| 1. Is the Standard Measurements portion of the form completed? | [ ] | [ ] |
| 2. Does a brochure or Class drawing accompany the form?        |     |     |
| or Did the handicapper measure the yacht?                      | [ ] | [ ] |
| 3. Does a keel drawing or photo accompany the form?            | [ ] | [ ] |

Resources:

- |  |     |     |
|--|-----|-----|
| 4. Are there at least three other PHRF region handicaps? | [ ] | [ ] |
| 5. Are there any measurement rule conversions?           | [ ] | [ ] |
| 6. Are there at least three comparable yachts listed?    | [ ] | [ ] |
| 7. Are Kramer and Killing numbers provided?              | [ ] | [ ] |
| 8. Does the Handicapper provide a best approximation?    | [ ] | [ ] |
| Is it supported by the data?                             | [ ] | [ ] |

Custom/Modified Yacht:

- |  |     |     |
|--|-----|-----|
| 9. If a Custom or Modified Yacht, is the description adequate? | [ ] | [ ] |
|--|-----|-----|

If yes to 9., What adjustment is suggested? \_\_\_\_\_

- |  |     |     |
|--|-----|-----|
| 10. Does the recommended handicap include<br>the six second per mile assessment? | [ ] | [ ] |
|--|-----|-----|

If Appropriate, explain any no answers above.

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Rationale for assigned handicap:

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Three club handicappers endorsing the recommended handicap.

_____ Handicapper	_____ club	_____ Handicapper	_____ club	_____ Handicapper	_____ Club
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