



**ORC**  
Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **5151.2**  
Issued On **31/08/2020**  
ORC Ref **03570000PDV**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 439kg  
Maximum **439kg**  
Minimum\* **329kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>653.5</b>	<b>0.9181</b>
Non Spin OSN	<b>635.8</b>	<b>0.9437</b>

**Sails Limitations**

Headsails **5** Spinnakers **4**

**Asymmetric on centerline**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 66.67**  
Flying H/S: **Yes 41.53**  
Spin. Pole: **No**

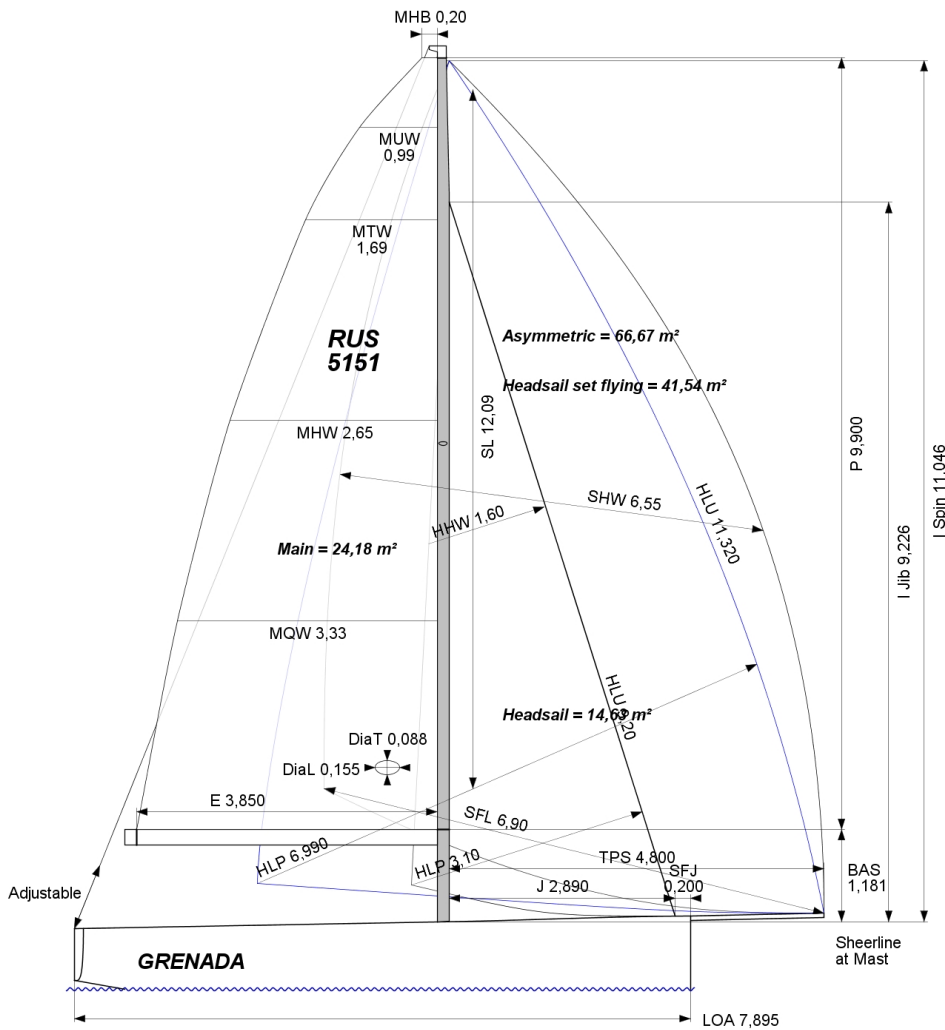
**Class Division Length**

**CDL = 7.782**

**Stability (Estimated)**

Limit Positive Stab.: **117.3°**  
Stability Index: **109.4**

**Owner**



BOAT	GPH	HULL
Name <b>Grenada</b> Sail Nr <b>RUS 5151</b>	<b>594.0</b>	Data File <b>RU5151_Grenad</b> LOA <b>7.895m</b> Offset File <b>Elf_GP26.off</b> MB <b>2.520m</b> Displacement <b>1,085kg</b> Draft <b>1.899m</b>
<b>CLASS</b> Class <b>Open-800</b> Designer <b>M. Tikhonov</b> Builder <b>Custom</b> Series <b>06/2011</b> Age Date <b>06/2012</b> Age Allowance <b>0.292%</b>		IMS Division <b>Sportboat</b> Dynamic All. <b>0.000%</b> Plan Review Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>Yes</b> Light Stanchions <b>No</b>
<b>COMMENTS</b> DSPL weighted 1082 kg TPS from class rules, NOT measured		IMSL <b>7.710m</b> VCGD <b>-0.153m</b> Sink <b>9.23kg/mm</b> RL <b>7.863m</b> VCGM <b>-0.146m</b> WS <b>11.66m²</b> LSM0 <b>7.292m</b> Displacement/Length ratio <b>2.7983</b>
<b>PROPELLER</b> Type <b>No Propeller</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
		<b>CENTERBOARD</b>  <b>N/A</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>586.2</b>	<b>668.1</b>
Time on Time	<b>1.0235</b>	<b>1.0104</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>653.9 538.3 472.5</b>	<b>841.9 678.3 587.1</b>
Time on Time	<b>1.0323 1.2539 1.4286</b>	<b>0.8018 0.9952 1.1498</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Grenada</b>	Certificate Number <b>5151.2</b>
Sail Nr <b>RUS 5151</b>	Issued On <b>31/08/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>918.9</b>	<b>802.7</b>	<b>764.9</b>	<b>753.0</b>	<b>751.2</b>	<b>742.3</b>	<b>750.7</b>
52°	<b>597.6</b>	<b>553.5</b>	<b>536.8</b>	<b>529.1</b>	<b>529.0</b>	<b>522.6</b>	<b>517.3</b>
60°	<b>569.8</b>	<b>533.8</b>	<b>513.2</b>	<b>501.0</b>	<b>501.9</b>	<b>496.2</b>	<b>485.1</b>
75°	<b>550.0</b>	<b>503.2</b>	<b>476.4</b>	<b>460.4</b>	<b>449.2</b>	<b>451.1</b>	<b>432.3</b>
90°	<b>545.0</b>	<b>489.4</b>	<b>452.0</b>	<b>431.7</b>	<b>416.6</b>	<b>405.0</b>	<b>393.8</b>
110°	<b>572.1</b>	<b>515.7</b>	<b>465.5</b>	<b>421.4</b>	<b>384.5</b>	<b>365.0</b>	<b>336.6</b>
120°	<b>599.9</b>	<b>523.5</b>	<b>461.4</b>	<b>417.4</b>	<b>387.8</b>	<b>356.1</b>	<b>315.7</b>
135°	<b>668.4</b>	<b>555.6</b>	<b>497.3</b>	<b>438.3</b>	<b>382.0</b>	<b>333.5</b>	<b>280.9</b>
150°	<b>793.7</b>	<b>631.5</b>	<b>550.8</b>	<b>502.3</b>	<b>448.2</b>	<b>396.2</b>	<b>289.7</b>
Run VMG	<b>916.5</b>	<b>729.2</b>	<b>637.1</b>	<b>580.0</b>	<b>517.6</b>	<b>457.5</b>	<b>334.6</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>917.7</b>	<b>766.0</b>	<b>701.0</b>	<b>666.5</b>	<b>634.4</b>	<b>599.9</b>	<b>542.6</b>
Circular Random	<b>791.5</b>	<b>652.5</b>	<b>579.2</b>	<b>535.4</b>	<b>505.4</b>	<b>482.0</b>	<b>445.2</b>
Coastal / Long Distance	<b>917.6</b>	<b>721.7</b>	<b>629.3</b>	<b>569.2</b>	<b>527.5</b>	<b>484.9</b>	<b>416.5</b>
Non Spinnaker	<b>904.3</b>	<b>728.9</b>	<b>634.3</b>	<b>578.2</b>	<b>541.9</b>	<b>516.0</b>	<b>478.8</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>44.3°</b>	<b>40.1°</b>	<b>39.0°</b>	<b>38.3°</b>	<b>38.4°</b>	<b>38.3°</b>	<b>39.8°</b>
Beat VMG	<b>3.92</b>	<b>4.48</b>	<b>4.71</b>	<b>4.78</b>	<b>4.79</b>	<b>4.85</b>	<b>4.80</b>
52°	<b>6.02</b>	<b>6.50</b>	<b>6.71</b>	<b>6.80</b>	<b>6.81</b>	<b>6.89</b>	<b>6.96</b>
60°	<b>6.32</b>	<b>6.74</b>	<b>7.02</b>	<b>7.19</b>	<b>7.17</b>	<b>7.25</b>	<b>7.42</b>
75°	<b>6.55</b>	<b>7.15</b>	<b>7.56</b>	<b>7.82</b>	<b>8.02</b>	<b>7.98</b>	<b>8.33</b>
90°	<b>6.61</b>	<b>7.36</b>	<b>7.97</b>	<b>8.34</b>	<b>8.64</b>	<b>8.89</b>	<b>9.14</b>
110°	<b>6.29</b>	<b>6.98</b>	<b>7.73</b>	<b>8.54</b>	<b>9.36</b>	<b>9.86</b>	<b>10.70</b>
120°	<b>6.00</b>	<b>6.88</b>	<b>7.80</b>	<b>8.63</b>	<b>9.28</b>	<b>10.11</b>	<b>11.40</b>
135°	<b>5.39</b>	<b>6.48</b>	<b>7.24</b>	<b>8.21</b>	<b>9.42</b>	<b>10.79</b>	<b>12.82</b>
150°	<b>4.54</b>	<b>5.70</b>	<b>6.54</b>	<b>7.17</b>	<b>8.03</b>	<b>9.09</b>	<b>12.43</b>
Run VMG	<b>3.93</b>	<b>4.94</b>	<b>5.65</b>	<b>6.21</b>	<b>6.96</b>	<b>7.87</b>	<b>10.76</b>
Gybe Angles	<b>143.5°</b>	<b>147.5°</b>	<b>152.0°</b>	<b>148.5°</b>	<b>145.3°</b>	<b>144.5°</b>	<b>143.3°</b>