





World Leader in Rating Technology

# 2016

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Forty</b>	Certificate Number <b>013/16</b>
Sail Nr <b>CAN 1024</b>	Issued On <b>15.2.2016.</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1130.8</b>	<b>941.8</b>	<b>836.9</b>	<b>775.8</b>	<b>744.8</b>	<b>727.1</b>	<b>714.4</b>
52°	<b>707.7</b>	<b>593.6</b>	<b>526.5</b>	<b>498.1</b>	<b>485.9</b>	<b>479.6</b>	<b>473.0</b>
60°	<b>649.3</b>	<b>547.0</b>	<b>492.4</b>	<b>473.6</b>	<b>465.5</b>	<b>461.3</b>	<b>456.7</b>
75°	<b>602.3</b>	<b>510.8</b>	<b>471.8</b>	<b>454.1</b>	<b>444.2</b>	<b>438.5</b>	<b>433.2</b>
90°	<b>597.6</b>	<b>507.9</b>	<b>470.2</b>	<b>451.1</b>	<b>436.2</b>	<b>423.6</b>	<b>409.6</b>
110°	<b>623.9</b>	<b>512.5</b>	<b>466.4</b>	<b>443.1</b>	<b>424.6</b>	<b>413.4</b>	<b>395.5</b>
120°	<b>641.1</b>	<b>526.2</b>	<b>472.7</b>	<b>447.5</b>	<b>425.7</b>	<b>404.4</b>	<b>379.0</b>
135°	<b>711.0</b>	<b>577.3</b>	<b>499.4</b>	<b>463.7</b>	<b>441.7</b>	<b>420.4</b>	<b>380.4</b>
150°	<b>840.2</b>	<b>667.1</b>	<b>567.4</b>	<b>505.8</b>	<b>475.1</b>	<b>455.4</b>	<b>422.9</b>
Run VMG	<b>970.2</b>	<b>770.4</b>	<b>655.2</b>	<b>584.0</b>	<b>547.5</b>	<b>506.0</b>	<b>454.3</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1050.5</b>	<b>856.1</b>	<b>746.0</b>	<b>679.9</b>	<b>646.1</b>	<b>616.6</b>	<b>584.3</b>
Circular Random	<b>866.9</b>	<b>699.1</b>	<b>609.0</b>	<b>556.8</b>	<b>524.9</b>	<b>504.3</b>	<b>479.1</b>
Ocean for PCS	<b>830.9</b>	<b>662.9</b>	<b>571.0</b>	<b>517.0</b>	<b>483.8</b>	<b>461.6</b>	<b>429.2</b>
Non Spinnaker	<b>914.9</b>	<b>733.0</b>	<b>633.5</b>	<b>574.4</b>	<b>537.5</b>	<b>513.5</b>	<b>485.0</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>48.1°</b>	<b>47.1°</b>	<b>47.5°</b>	<b>46.1°</b>	<b>44.8°</b>	<b>44.0°</b>	<b>44.1°</b>
Beat VMG	<b>3.18</b>	<b>3.82</b>	<b>4.30</b>	<b>4.64</b>	<b>4.83</b>	<b>4.95</b>	<b>5.04</b>
52°	<b>5.09</b>	<b>6.06</b>	<b>6.84</b>	<b>7.23</b>	<b>7.41</b>	<b>7.51</b>	<b>7.61</b>
60°	<b>5.54</b>	<b>6.58</b>	<b>7.31</b>	<b>7.60</b>	<b>7.73</b>	<b>7.80</b>	<b>7.88</b>
75°	<b>5.98</b>	<b>7.05</b>	<b>7.63</b>	<b>7.93</b>	<b>8.10</b>	<b>8.21</b>	<b>8.31</b>
90°	<b>6.02</b>	<b>7.09</b>	<b>7.66</b>	<b>7.98</b>	<b>8.25</b>	<b>8.50</b>	<b>8.79</b>
110°	<b>5.77</b>	<b>7.02</b>	<b>7.72</b>	<b>8.12</b>	<b>8.48</b>	<b>8.71</b>	<b>9.10</b>
120°	<b>5.62</b>	<b>6.84</b>	<b>7.62</b>	<b>8.04</b>	<b>8.46</b>	<b>8.90</b>	<b>9.50</b>
135°	<b>5.06</b>	<b>6.24</b>	<b>7.21</b>	<b>7.76</b>	<b>8.15</b>	<b>8.56</b>	<b>9.46</b>
150°	<b>4.28</b>	<b>5.40</b>	<b>6.34</b>	<b>7.12</b>	<b>7.58</b>	<b>7.91</b>	<b>8.51</b>
Run VMG	<b>3.71</b>	<b>4.67</b>	<b>5.49</b>	<b>6.16</b>	<b>6.58</b>	<b>7.11</b>	<b>7.93</b>
Gybe Angles	<b>144.3°</b>	<b>147.8°</b>	<b>147.6°</b>	<b>148.6°</b>	<b>150.7°</b>	<b>175.5°</b>	<b>178.1°</b>