

Speed Control Parameter Adjustment Chart

JUMP

ZERO OFF PARAMETER	WHO DETERMINES	WHEN										
TOURNAMENT MODE	<i>Driver/Judge</i>	<i>Before event</i>	<i>TOURNAMENT MODE ONLY</i>									
BOAT SPEED	<i>Skier</i>	<i>Before each pass</i>	<i>Set Speed in MPH/KPH</i>									
JUMP LETTER	<i>Driver / Judge</i> <i>With input from skier</i>	<i>Before each jump</i> <i>Boat crew may adjust as necessary including for the first jump</i>	<i>Hold "SEL" while jump letter is highlighted. Enter skier weight and rated distance. Skier may adjust initial setting +/- 4 letters. Adjust as necessary. Use Jump Letter Chart as an alternative to select initial jump letter</i>									
FAST or RTB (Return to Baseline)	<i>Skier</i>	<i>Before each skier based on type of 41-meter segment pull requested</i>	<i>Letter Only = faster segment Letter with "RTB" above = return to baseline</i>									
POWER FACTOR	<i>Driver / Judge</i> <i>With input from skier</i>	<i>5.3/5.7 liter engine - start with 6 or 7</i> <i>6.0/6.2 liter engine - start with 4 or 5</i> <i>Boat crew may adjust as necessary</i>	<i>Range 0 to 15 - Raises or lowers the base speed. A lower number result in boat entering the course slower. At 3 or below there is no additional decrease in baseline (adjustments are then made to the ramp rate of the letter)</i>									
41 METER SEGMENT ADDER (Raises the boat speed in the 41 Meter segment - adds to the target speed)	<i>Driver/Judge</i>	<i>Boat crew may adjust as necessary</i> Start at 0	<i>ADD - Range = 0 to 9 Start at 0</i> <i>Adjust as needed for actual times.</i> <i>This number follows "Power Factor"</i> <i>Example: 6/0</i> <i>(6 is the Power Factor and 0 is the "add")</i>									
COUNTER CUT TIME (Not typically adjusted)	<i>Driver</i>	<i>Before event</i> <i>May be adjusted for strong head or tail wind to control speed during counter cut</i>	<i>Recommended:</i> <table style="display: inline-table; vertical-align: top;"> <tr> <td>180</td> <td>Head Wind</td> <td>190</td> </tr> <tr> <td>170</td> <td>Tail Wind</td> <td>170</td> </tr> <tr> <td>160</td> <td>¾ Cut</td> <td>160</td> </tr> </table>	180	Head Wind	190	170	Tail Wind	170	160	¾ Cut	160
180	Head Wind	190										
170	Tail Wind	170										
160	¾ Cut	160										
GPS MAPPING	<i>Driver & Judge</i>	<i>Before event and as necessary if off more than 2.5 meters</i>	<i>Map course when pylon is aligned with the start of the timing buoys</i>									

Speed Control Parameter Adjustment Chart

SLALOM

ZERO OFF PARAMETER	WHO DETERMINES	WHEN	
TOURNAMENT MODE	<i>Driver/Judge</i>	<i>Before event</i>	<i>TOURNAMENT MODE ONLY</i>
BOAT SPEED	<i>Skier</i>	<i>Before each pass</i>	<i>Speed in MPH/KPH</i>
A1, A2, A3 B1, B2, B3 C1, C2, C3	<i>Skier</i> <i>Default is B2 unless skier asks for other setting</i>	<i>Before each pass</i>	<i>A = Slowest engine response B = Moderate engine response C = Fastest engine response 1 = Softest feel behind the boat 2 = Moderate feel behind the boat 3 = Firmest feel behind the boat</i>
"+" SETTING	<i>Skier</i> <i>Default is OFF</i>	<i>Before each pass</i>	<i>With "+" ON – Engine will respond quicker. Speed outside the entrance gate is higher.</i>
GPS MAPPING	<i>Driver & Judge</i>	<i>Before event and as necessary if off more than 2.5 meters</i>	<i>Map course when GPS Puck is aligned with the start of timing buoys</i>

TRICKS

ZERO OFF PARAMETER	WHO DETERMINES	WHEN	
BOAT SPEED	<i>Skier</i>	<i>Before each pass</i>	<i>Speed in MPH/KPH</i>
A1, A2, A3 B1, B2, B3 C1, C2, C3	<i>Skier</i> <i>Default is B2 unless skier asks for other setting</i>	<i>Before each pass</i>	<i>A = Slowest engine response B = Moderate engine response C = Fastest engine response 1 = Softest feel behind the boat 2 = Moderate feel behind the boat 3 = Firmest feel behind the boat</i>
"+" SETTING	<i>Skier</i> <i>Default is OFF</i>	<i>Before each pass</i>	<i>With "+" ON – Engine will respond quicker</i>

NOTE: Updated speed control parameters may be posted on the USA WS website, accompanied by a revision date, and will supersede the speed control parameters printed in the AWSA Rule Book. No changes shall be made between July 1 and the conclusion of Nationals.