



## REGATTA DIRECTOR NOTICE #001

Issued 1 December 2020

### RE: True Wind Speed relative to the water

#### Background:

#### ***Wind Limits for Prada Cup***

*Unless the Regatta Director considers conditions too rough, the warning signal for racing shall only be made when the approximate average TWS is within the range specified below for the whole period between 9 mins and 4 mins before the start. The TWS shall be measured as a rolling average of one hertz samples over 30 seconds at approximately 5.5 meters above the water on the race committee signal boat. This TWS shall be corrected to represent the TWS relative to the water, based on the forecasted tidal currents in the area where the race committee signal boat is located, using a procedure and tidal current forecast published by the Regatta Director on or before 1 December 2020.*

*The applicable range shall be as follows:*

- (a) during the Round Robins and Repechage stages - between 6.5 and 21 knots;*
- (b) during the Final – between 6.5 and 23 knots.*

#### ***Wind Limits for the Match***

*Unless the Regatta Director considers conditions too rough, the warning signal for the Match shall only be made when the approximate average TWS is between 6.5 and 23 knots (the range) for the whole period between 9 mins and 4 mins before the start. The TWS shall be measured as a rolling average of one hertz samples over 30 seconds at approximately 5.5 meters above the water on the race committee signal boat. This TWS shall be corrected to represent the TWS relative to the water, based on the forecasted tidal currents in the area where the race committee signal boat is located, using a procedure and tidal current forecast published by the Regatta Director on or before 1 December 2020.*

Regatta Directors TWS relative to the water procedure:

Wind adjustment to accommodate the forecasted tidal current forecast is described below.

- Wind relative to the ground (TWS) will be measured on the race committee signal boat using the above protocol between the period 9 to 4 minutes before the start.
- The race committee will use an Auckland Harbour water current model, that is also being used by Broadcast and commercially available from Predict Wind.
- The race committee shall use the GPS position and time of the signal boat to determine the closest water current speed and direction from the supplied water current data.
- The race committee will use the determined water current speed and direction and modify the True wind speed and direction to generate the TWS relative to the water.
- The measured True Wind Speed direction and GPS position of the Signal Boat will be broadcast live through the RMS system to the competitors.
- The determined water current speed and direction will be broadcast through the RMS system to the competitors.

Iain Murray  
Regatta Director