## **Test Case** TC114 Race Start startline information

Belongs to Plan(s):

TP5 dashboard\_tactics...

Belongs to Suite(s):

TS41 Race Dash functi...

Case Type: Functionality

Label(s): click to add Label(s)

**© GOOD** Test Case Passing **Test Quality:** 

Assign To: click to add Assign To

Case Priority: Medium

Estimate: click to add

Estimate

**Is Automated** 

## **Precondition**

One needs a polar file for the example boat and it should be activated in Tactics dialog. Usage of simulator is necessary for any practical purposes but one can go out and repeat the test with real boat - but make sure that somebody else than the tester is responsible of the boat, in this case!

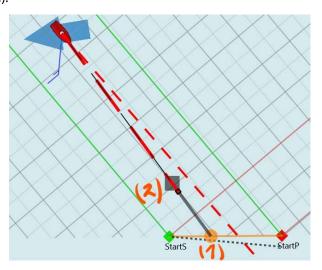
Steps

Click "Tab" or "Shift + Tab" to navigate grid ?

計

Create yourself a startline situation similar to the one below (if you are on a boat, make sure to understand that this is only for educational purposes, that you keep always the watch and somebody else is looking at the computer and there is no real boats around! - avoiding collisions shall be your uttermost priority, not watching a computer screen):





You have selected to approach the startline on starboard tack since the DashT Startline indicates you a shift in wind, it is veering and you go according the book. So does probably everybody else. The key point is going to be the acceleration and timing. You point roughly to the middle of the startline and can observe that the current (blue line) is pushing you towards the starboard marker of the startline (1).

You have kept the default value of *DashT Startline* for zero time to burn on COG line, which is 60 seconds by default. It is indicated by the grey square (2) and a gray line, reaching towards to your COG line from the startline (1). It is based on actual wind conditions *on your boat* and it tells you, this is the point where you should be one minute before the start at full speed.

You and your team want probably use this tool for practicing full speed start.

Remind that startline conditions are less than ideal often and you may want to select one of your polar files in Tactics with a reduced performance prior to start.

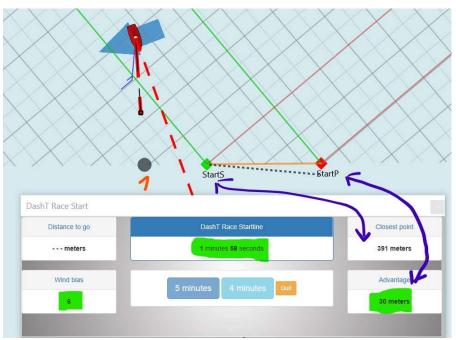


PASS: All the components present as depicted in the above screenshot.

計

In this test you are backing off to burn some time, but not too much since the current is pushing you on the bad side of the starboard lower layline (1) and you would be obliged to tack!





Let's verify that numerical and other indicative data now when we have a few seconds:

- Our distance to the closest startline point is that to its starboard marker
  - If we would be above the startline that would be the perpendicular distance
- The first line of the ladder rung diagram to the first mark is pivoting around to the start mark favored by the wind shift
  - We can see that the wind bias is six degrees (negative values for backing wind)
  - If we would need to go to the port side mark, there we would need to sail extra 30 meters to get to the first ladder rung
- If we wonder why the distance to go is not showing anything, we can hover over the title to get an explanation:



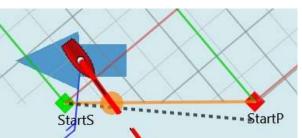
Time to go, even if our machine is a mighty *Ultimate* trimaran accelerating like a jet fighter!

**ග්** 

PASS: you can observe all the parameters and indicators as depicted in the above diagrams.

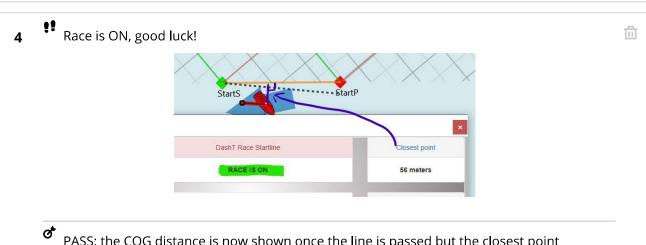
計

Now at full speed, no way back! Keep a look at the watch (no other boat around in this learning situation, OK?) - if you are late you will be late, nothing you can do now. But if you are in advance there is still room to ease a bit.



Once you have passed your calculated and dynamic zero time to burn mark, it disappears.

PASS: the zero time to burn polar performance based indicator disappears.



PASS: the COG distance is now shown once the line is passed but the closest point indicator is still measuring the distance to the startline.

## Add Step



RESULTS	DEFECTS	REQUIREMENTS			
Status	Test Plan Run		Assigned To	Updated At↑	Actions
<b>✓</b> Pass	TPR91 tc114 test run		Petri Makijarvi	about a minute ago	<b></b> □
ACTIVITY	HISTORY	COMMENTS			