



## Test Case

## TC116 Race Mark next mark(s) information

**Belongs to Plan(s):** TP5 dashboard\_tactics...**Belongs to Suite(s):** TS41 Race Dash functi...**Case Type:** Functionality**Label(s):** windows linux**Test Quality:** **GOOD** Test Case Passing**Assign To:** [click to add Assign To](#)**Case Priority:** Medium**Estimate:** [click to add Estimate](#)**Is Automated**

## Precondition

This test is the first one to execute for Race Dash Mark instrument. It has the purpose to verify the initialization, license display (scrollbars), and the essential integration with OpenCPN route manager and its route following functions.


The route used in this test is this one: 2020-08-02\_Race\_Mark\_MyRace\_WW-LW\_route.zip

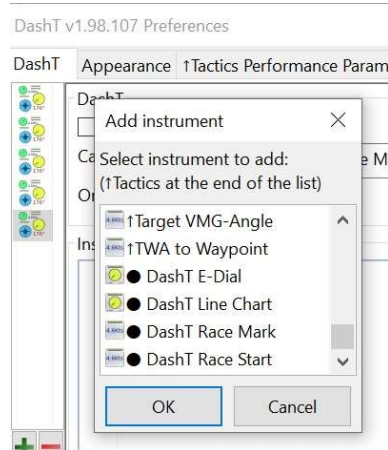
Please note that is route has one essential change to make this test to succeed: the waypoint arrival radius has been changed from the default 0.05 nmi (about 100 meters) to 0.025 (about 50) meters. This is because the race route has a spreader mark between the windward and leeward legs. Being close to each other, a boat can get closer to the spreader than to the windward mark which makes the OpenCPN router to jump over the windward mark. In OpenCPN router, there is no other way than to start the route again to recover from this situation and that's why it should be avoided in this test, where the route is very tight, in order to save testing time. The route is south of Delarof Islands (U.S.A.) do not ask why.

The recommend way to make this test is manual, using NMEA Simulator but if repeated several times, please do not hesitate to make a recording and upload it here - it does not contain static or mandatory stop points.

## Steps

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

- 1  Create a new Race DashT Mark instrument, on a dedicated instrument panel - or fake it by modifying existing instrument's UUID:



Observe that during the launch the license and usage warning is displayed (with the selected language) and that the license text (in English only) is displayed in a pop-up window, contained in the instrument window but that scrollbars allow to read it.

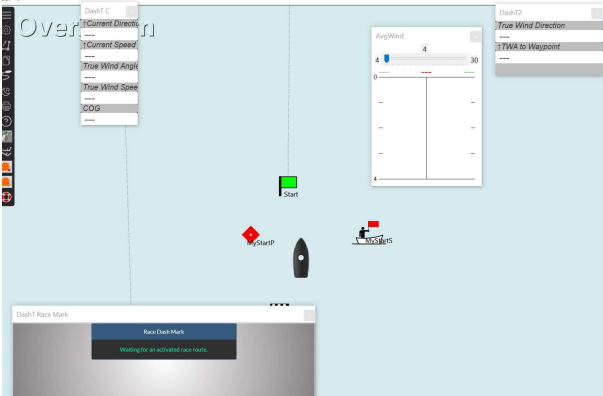
Click on the Accept button to accept the license and continue to the next test.

 PASS:

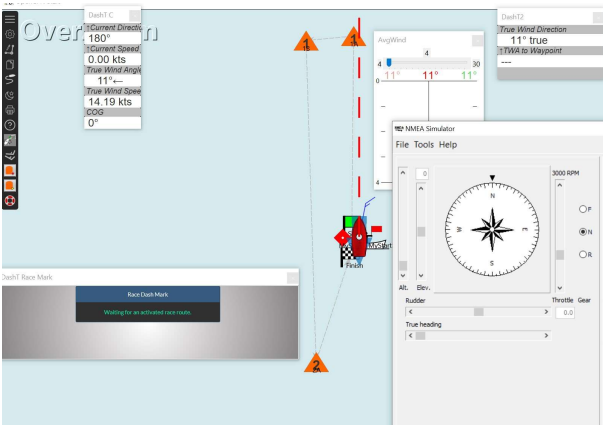
1. Warning text is displayed (language dependency)
2. Scrollbars allow to read the entire (English) license text
3. Accept button allow to acknowledge the license
4. In case running the test again, with the same instrument, the warning message does not appear again (provided that the application has been terminated gracefully).

- 2
- !!


Prepare the start area like this: note that the startline (the committee boat) is not essential to the test and if they do not appear, one can skip them.:

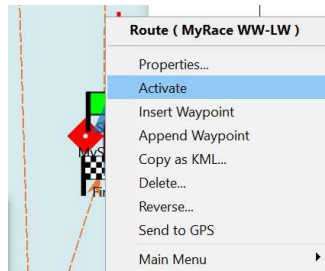


Start the engine, keeping the neutral gear. Do not approach closer to 0.025 nautical miles to the start marker:

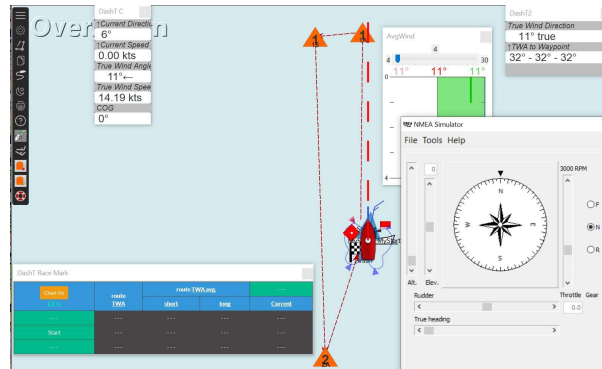


♂ n/a


- 3  Activate the route - like by right clicking on it and by selecting the activation from the context menu:




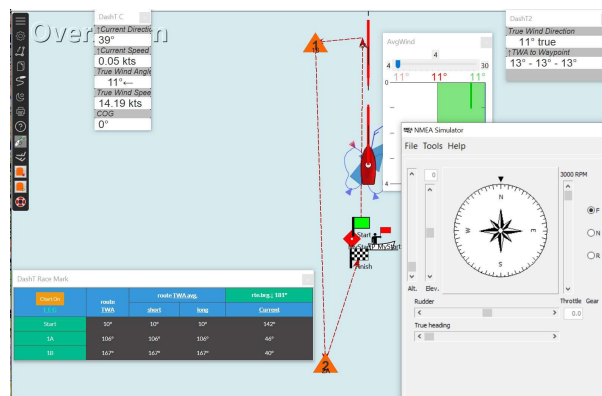
The boat is not moving yet (there should be no current set) and OpenCPN route manager proposes the first waypoint, the start mark:




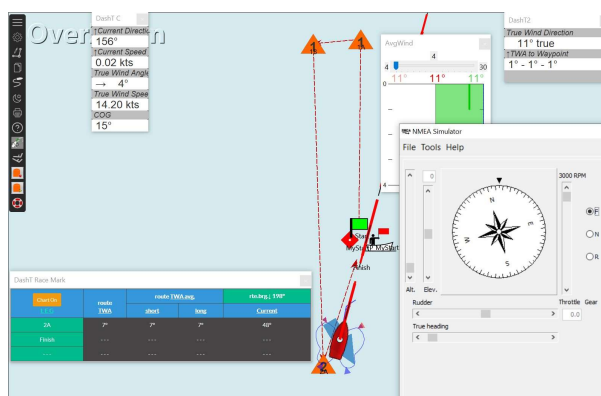
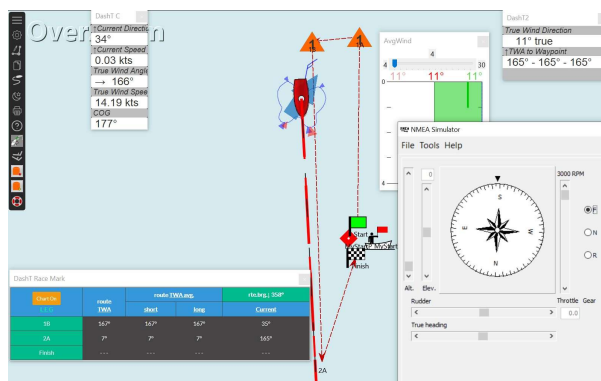
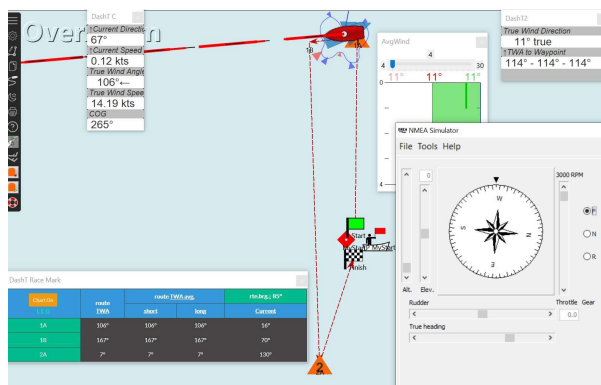
Observe the data displayed now in the JavaScript instrument table. Click on the Hide Chart button - in this test we will not be actually sailing but motoring.

-  PASS: the OpenCPN route manager locks on the first mark and Race DashT Mark detects it and creates an animated info screen with leg data, allowing the user to mute the graphical overlay on the chart.

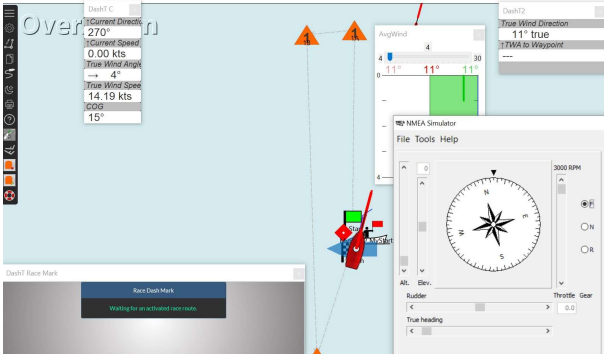
- 4  Full speed ahead towards the windward mark (we're cheating!). Observe the values in the JavaScript information window:





-  PASS: one sees:
1. Bearing (of the leg, not that of the boat) to the previous mark (Start)
  2. TWA information for the leg's bearing (not that of the boat) for this leg but also for the two legs ahead



8  Arrived:




 PASS: the OpenCPN route manager is deactivating the route and, consequently Race DashT Mark instrument detach itself automatically from the route and starts waiting for a new route (like for another round if multiple tours are needed).

9  Please note that it is recommended to continue with test case fc117 without dismantling the test setup.





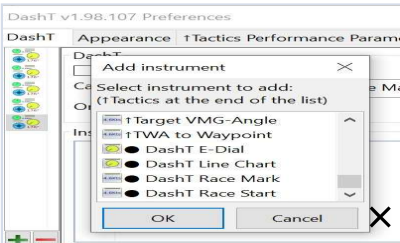
 Add Step


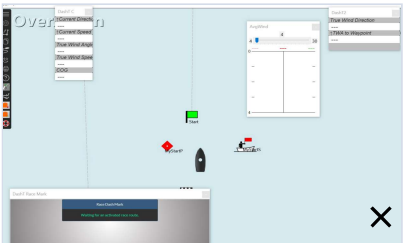
Attachments


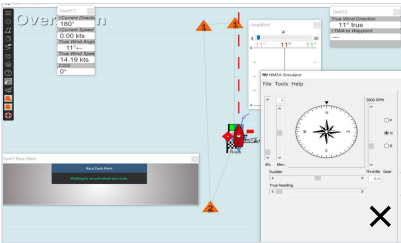


2020-08-02\_Race\_Mark...













 Add Attachments

RESULTS	DEFECTS	REQUIREMENTS		
Status	Test Plan Run	Assigned To	Updated At↑	Actions
✓ Pass	TPR93 Race Dash Mark	 Petri Makijarvi	4 minutes ago	

ACTIVITY	HISTORY	COMMENTS	
TODAY			
<div><div></div><div>Petri Makijarvi Updated Step S347</div></div> <div>less than a minute ago / Aug 12, 2020</div>			
<div><div></div><div>Petri Makijarvi Created Step S347</div></div> <div>about a minute ago / Aug 12, 2020</div>			