
	<b>Test Case</b>	<b>TC57 Test TWA to Waypoint</b>	
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**Belongs to Plan(s):**

TP5 dashboard\_tactics...

**Belongs to Suite(s):**

TS18 NMEA simulator ...

**Case Type:**


Functionality

**Label(s):**


windows

linux

**Test Quality:**

 **GOOD** Test Case Passing

**Assign To:**

 Petri Makijarvi

**Case Priority:**

Medium

**Estimate:**

180


**Is Automated**

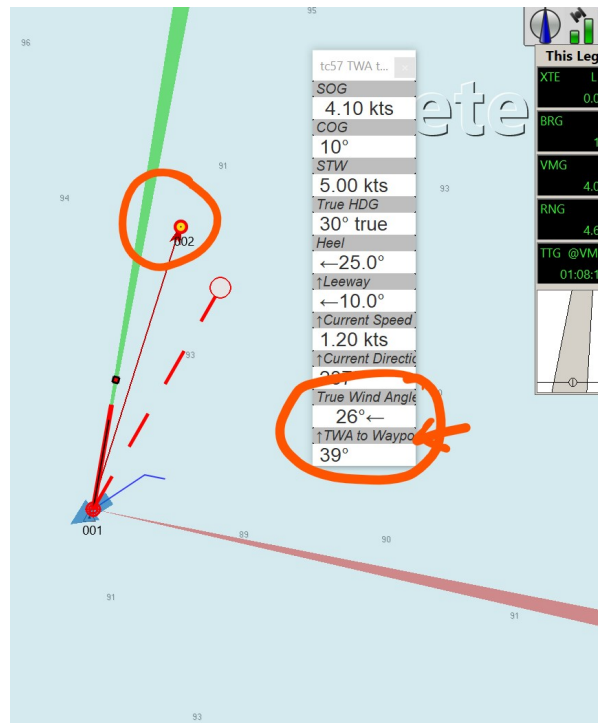
**Precondition**

Pre-requisite for this test is successful execution of TC54. It is recommended not to dismantle the previous test bed. In this test we use NMEA simulator <http://www.kave.fi/Apps/> to create and control speed on water, it is also to make the apparent wind consistent with the heel (in this, pro-forma). It will be used also to provide SOG and COG needed in calculations. The NMEA Simulator not sending XDR-sentences for heel, they are generated with NMEA Converter plugin.

**Steps**

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


- 1  Continuing from previous test, add Tactics instrument TWA to waypoint. Test first the RMC sentence (GPS) waypoint. This is generated by the OpenCPN itself when you click on the canvas and request "navigate here". Reduce the heading a bit leeward by placing the OpenCPN next waypoint mark as depicted and observe the TWA to waypoint increasing while the TWA to the waypoint remains stable.

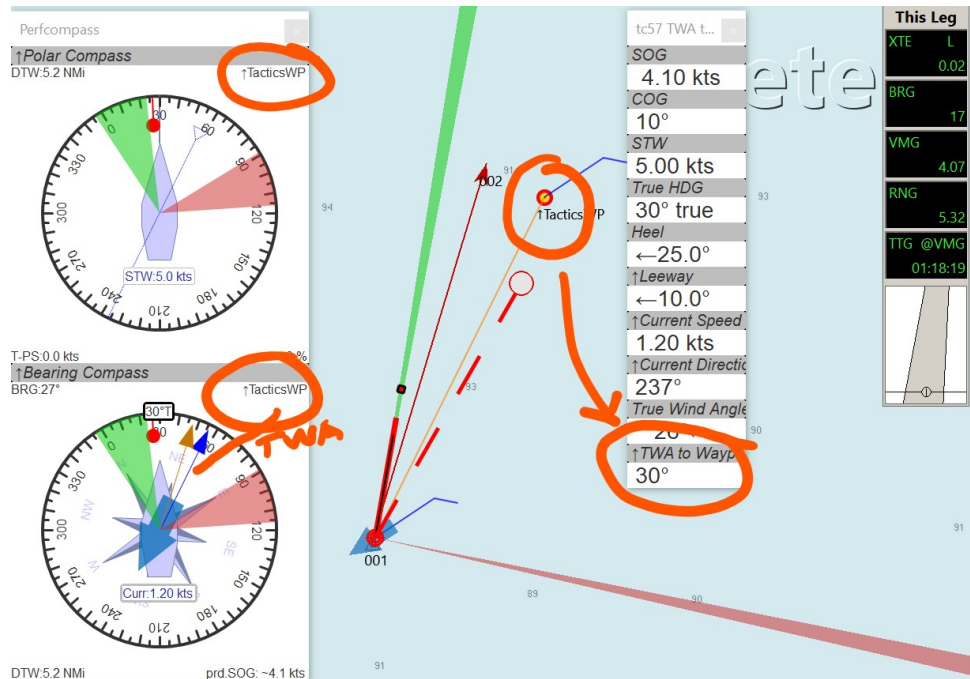


Note, in v2.0.0 onwards, the TWA to waypoint contains the averaged values: But in this test case we do not use the Average Wind instrument so the values are the same:

↑TWA to Waypoint
38° - 38° - 38°

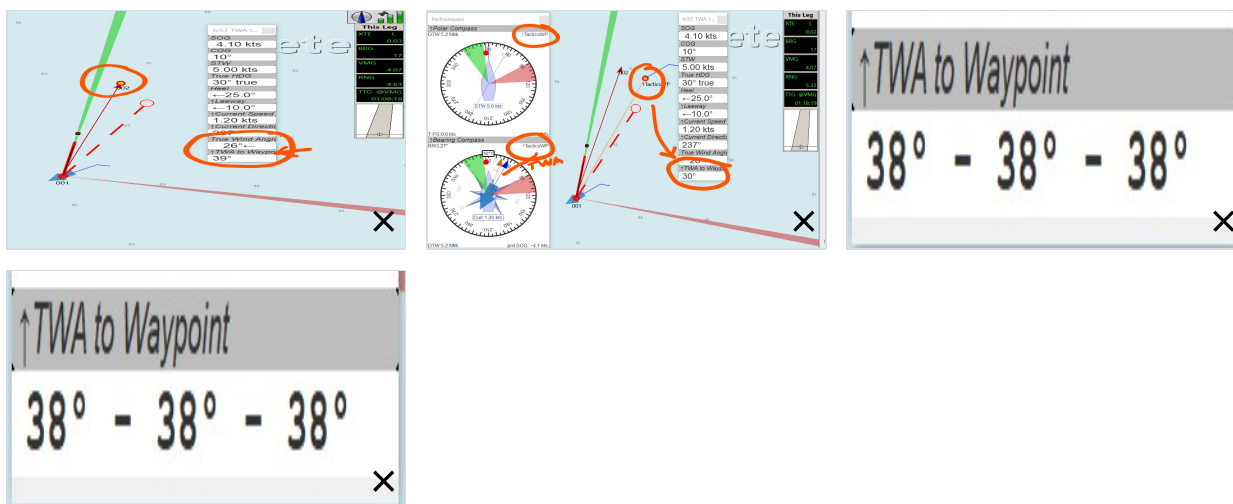


- 2  Test that the Tactics waypoint overrides the OpenCPN or GPS RMC-sentence based waypoint. Drop it in a slightly different position, as depicted below and observe the change in the TWA to waypoint value. Make sure that you have also the performance bearing compass visible to observe on it that it show the TWA not TWA to waypoint:













⊕ Add Step

## Attachments



📎 Add Attachments

RESULTS	DEFECTS	REQUIREMENTS			
Status	Test Plan Run	Assigned To	Updated At↑	Actions	
✓ Pass	TPR42 dashboard_tactics_pi_...	 Petri Makijarvi	about a year ago		
🔄 Pending	TPR43 dashboard_tactics_pi_...	 Petri Makijarvi	about a year ago		
🔄 Pending	TPR44 dashboard_tactics_pi_...	 Petri Makijarvi	about a year ago		
✓ Pass	TPR47 dashboard_tactics_pi_...	 Petri Makijarvi	about a year ago		
🔄 Pending	TPR81 dashboard_tactics_pi_...	 Petri Makijarvi	about a year ago		
<div>« &lt; 1 2 3 4 &gt; »</div>					

ACTIVITY	HISTORY	COMMENTS	
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