

# Estimated Time of Arrival (ETA)

12909 B  
 At 0914 you are in Chesapeake Bay buoy RW "CB" close aboard to port. What is your ETA at buoy R "10" if you are making 10.9 knots?

- A. 1005
- B. 1010**
- C. 1015
- D. 1020

Speed: Given 10.9kn  
 Distance: Measured 6.25 + 3.75 = 10.0nm  
 Time: Calculate from 60 DST Table or Formula

Calculate Time of run:  
 $T(\text{min}) = 60 D / S$   
 $= 60 (10.0) / 10.9 = 55\text{min}$

ETA = 09Hr 14Min  
 $0 + 55\text{Min}$   
 $= 1009$

$D_1 = 3.75 \text{ nm}$

$D_2 = 6.25 \text{ nm}$

$D_{\text{Total}} = 3.75 + 6.25$   
 $= 10.0 \text{ nm}$

$D_1 = 3.75 \text{ nm}$

$D_2 = 6.25 \text{ nm}$

