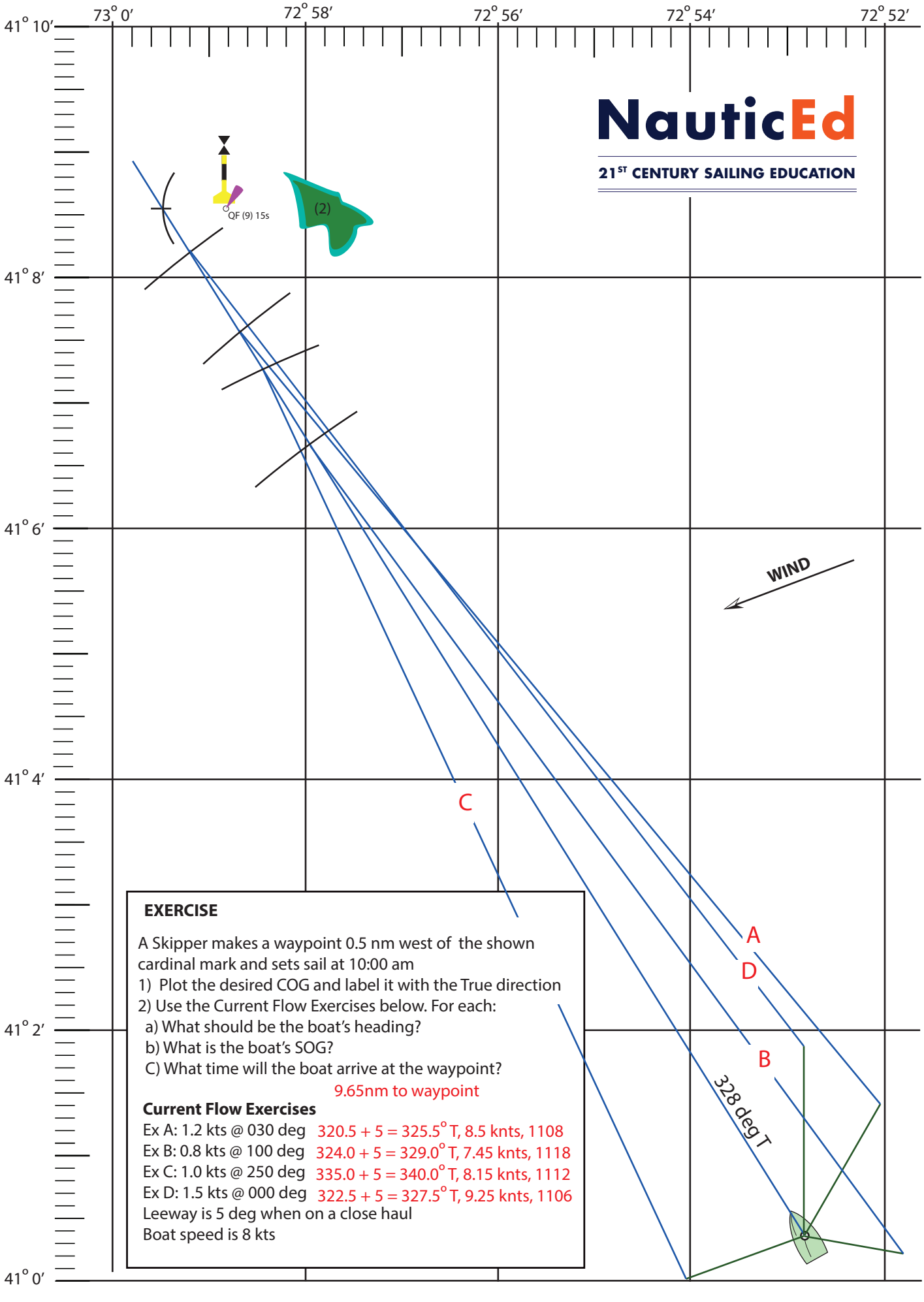

NauticEd

21ST CENTURY SAILING EDUCATION

EXERCISE

A Skipper makes a waypoint 0.5 nm west of the shown cardinal mark and sets sail at 10:00 am

1) Plot the desired COG and label it with the True direction
2) Use the Current Flow Exercises below. For each:
   a) What should be the boat's heading?
   b) What is the boat's SOG?
   C) What time will the boat arrive at the waypoint?

9.65nm to waypoint

Current Flow Exercises

Ex A: 1.2 kts @ 030 deg 320.5 + 5 = 325.5° T, 8.5 knts, 1108
Ex B: 0.8 kts @ 100 deg 324.0 + 5 = 329.0° T, 7.45 knts, 1118
Ex C: 1.0 kts @ 250 deg 335.0 + 5 = 340.0° T, 8.15 knts, 1112
Ex D: 1.5 kts @ 000 deg 322.5 + 5 = 327.5° T, 9.25 knts, 1106

Leeway is 5 deg when on a close haul
Boat speed is 8 kts