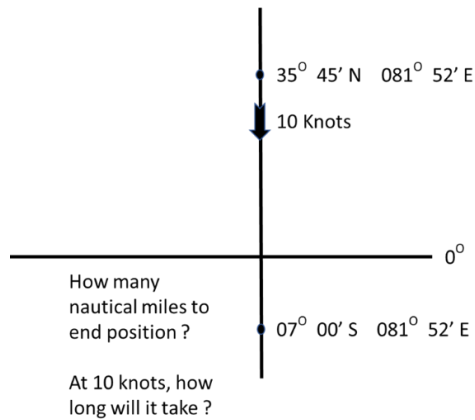# E-training tool exercises

Supra-category: IOTC ROS Scientific Field Observer Training (IOTC ROS SFO)

Category: Basic navigation and navigational aids (IOTC ROS SFO TR5)

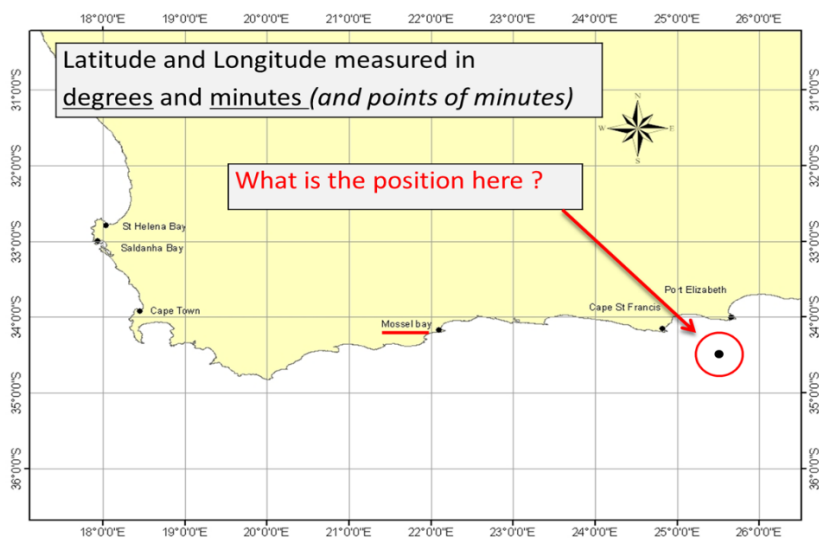Group Exercises To be completed during and after the presentations

QUESTION 1 - Calculating Distance and Time

35° 45' N   081° 52' E

10 Knots

0°

How many nautical miles to end position ?

07° 00' S   081° 52' E

At 10 knots, how long will it take ?

QUESTION 2 - Chart position and measuring Distance

- Record the position circled in red.
- Estimate as close as possible the distance from the position shown to Mossel Bay

If your vessel is steaming at 7 knots, how long will it take to get to Mossel Bay (in days and hours)?

Latitude and Longitude measured in degrees and minutes (and points of minutes)

What is the position here ?

QUESTION 3 - Speed, Distance and Time

The limit of your EEZ *(exclusive economic zone)* is **200nm** from the harbour entrance.

A vessel enters your EEZ at **0200** and is steaming at **10 knots**.

At what time will they arrive at the harbour?