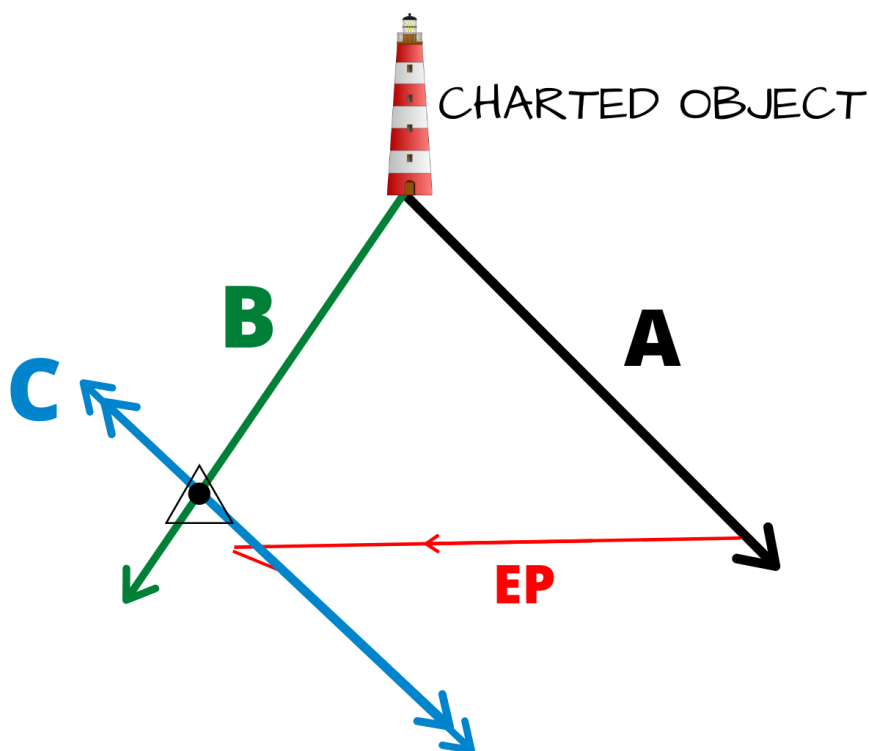




RUNNING FIX

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A running fix is a coastal navigation technique. It involves the use of an **estimated position (E.P)**. The fix is more accurate than an **E.P.** alone because it also incorporates bearings off of charted objects such as a lighthouse or recognisable headland.

Step 1: Take a bearing off of the first charted object or feature. This is bearing line A.

Step 2: Continue on a known heading and record the speed through the water. Travel for a predetermined time such as half an hour or an hour. Take the second bearing. Bearing line B.

Step 3: Plot an **estimated position (E.P)** starting from anywhere along the **first bearing**. Bearing line A. **Remember to account for leeway.**

Step 4: Draw the parallel line of bearing line A so that it also intersects the end of the tidal vector. If you are in an area of no tide this will be the end of the water track. This is the **Transposed position line (C)**.

Step 5: Record the position where the **Transposed position line (C)** intersects **Bearing line B** and note the time. This is the vessels position.