

RYA Training Conference

#DigitalFirst

MOTOR and SAIL CRUISING
– carousel takeaways

The syllabus has not changed
APEM

Trusted sources

Start with modern sources of information

Prediction or Fact



Paper or Digital

APPRAISE - PLAN

Weather

Prediction ?

OR

Fact ?

Understanding and interpreting modern sources of information



- Ensure that electronic charts are updated
- Use appropriate scale
- Enter a route for every passage
- Check the chart setting (depths, data)
- Accuracy of tidal heights
- Do we need to be 0.1 accurate?

What are your **TRUSTED SOURCES?**

Tidal Streams
Tidal Heights
Pilotage
Regulations
Comms

- Met Office – UK
- ECMWF – Europe
- GFS – USA
- Bureau of Meteorology – Australia
- Hourly/half hourly predictions doesn't mean it's more accurate
- Check how often new weather data is presented
- GRIB files are mainly built in UTC
- Understand when you're looking at new data

EXECUTE - MONITOR

1.

Referencing the PLAN

Name waypoints:

- what purpose?
- what action?

On track or not?

2.

Independent verification of POSITION

Identify aids to navigation

Be able to verify without a GNSS
(Radar overlay)
(depth fix)
(Transit)
(position line / bearing)

3.

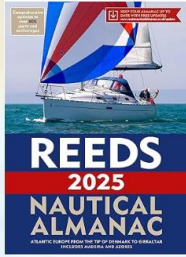
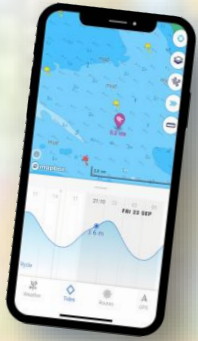
Use vectors to **PROJECT** forward appropriate length/timescale

Future tidal stream or height, weather, sea state, traffic?

Do you need to modify your plan?



Tidal heights and streams



- How accurate do tidal heights need to be, when do we have 0.1M clearance over a cill?
- Find an app, website that you trust and have used and have gained some confidence in it.
- Its not cheating using electronic information, just because its in a book doesn't mean it correct!
- Check the settings of the app for offsets / time zones
- Tidal streams are animated on apps giving an actual moving picture
- Past and future dates can be predicted for passage planning and comparison
- Some apps are pay for and others free – check what contract you have and what features you'll have
- Often comparing a number of different sources gives you an overall picture.

Summary

- Use electronic sources of information
- Build a portfolio of 'trusted resources'
- Put a route in the plotter and 'shape the course'
- Have a traditional means of nav to confirm your position
- Choose the appropriate information, don't use too much at once
- Enjoy the journey of transitioning towards e-nav