



## ▶ NAVIGATION RESOURCES

**Navigation is an ever-evolving skill and therefore navigators must continuously appraise themselves of navigational techniques, including making optimal use of information, equipment and navigation aids available to them.**

An analysis of the navigational claims reported to the Club between 2020 and 2023 (approximately 2500), revealed close to 60% of the claims were attributed to human element. A further analysis showed that 46% of these claims were due to failure to comply with basic navigational practices/principles.

A statistical review of the 2023 CSP questions related to basic navigational principles/procedures revealed the following results:

1. Charts and publications (paper and/or electronic) were either old edition or found not corrected to latest Notices to Mariners in 16% (of applicable 296) vessels.
2. Master's standing orders were found not available in 13% (of applicable 291) vessels.
3. Pilot card providing information to the Pilot was not available in 10% (of applicable 179) vessels.

Members should also ensure that crew have received appropriate training and familiarisation to safely perform their navigational duties and basic navigational practices/ principles are adhered to.

To assist with the prevention of navigation related incidents, the publications listed below have been produced and shared by the Club. They include helpful bulletins, booklets, posters, infographics and case studies.

### **Publications:**

- [Navigation Books series](#)
- [Importance Of Proper Passage Planning](#)
- [Pilotage poster – Commit to safe navigation](#)
- [Infographic: Effective communication during pilotage operations](#)
- [Caution on the unauthorised and incorrect use of ECDIS](#)
- [Guidance on the safe navigation of the Hidrovía](#)
- [GPS potential performance issues](#)
- [Yachts: Weather forecasts, safe passage and safe berths](#)
- [Interference with maritime radio reception by onboard equipment](#)
- [Keeping a proper lookout](#)
- [Investigating the effects of bridge alarms](#)

### **Case studies:**

- [Improper navigation results in contact with anchored vessel](#)
- [Passenger cruise vessel runs aground on reef](#)
- [Confusion with Bridge Controls](#)
- [Caution is Required in Reduced Visibility](#)
- [Grounding caused by sleeping watchkeeper](#)
- [Keeping a Lookout means Actively Looking](#)
- [Use of Mobile Phone Leads to Vessel Grounding](#)