

duties of officer when navigation

Смотрите заметки к слайдам

Officer on Watch (OOW) is also in charge of the bridge team, which is there to support him in the navigation process. He is also responsible to ensure that the ship complies with COLREGS and all the orders of the master are followed with utmost safety under all conditions. The three main duties of an officer on watch (OOW) can very broadly, for the sake of understanding only, can be classified under:

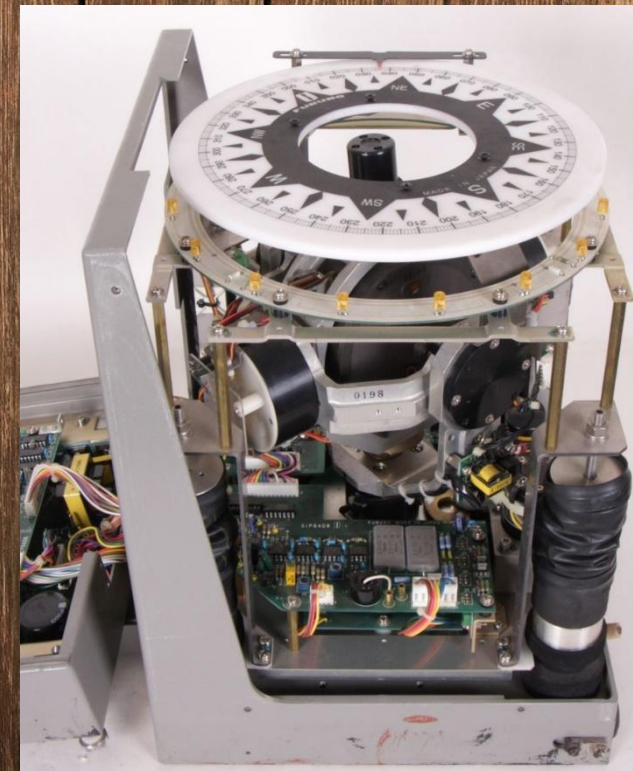
Navigation

Watch keeping

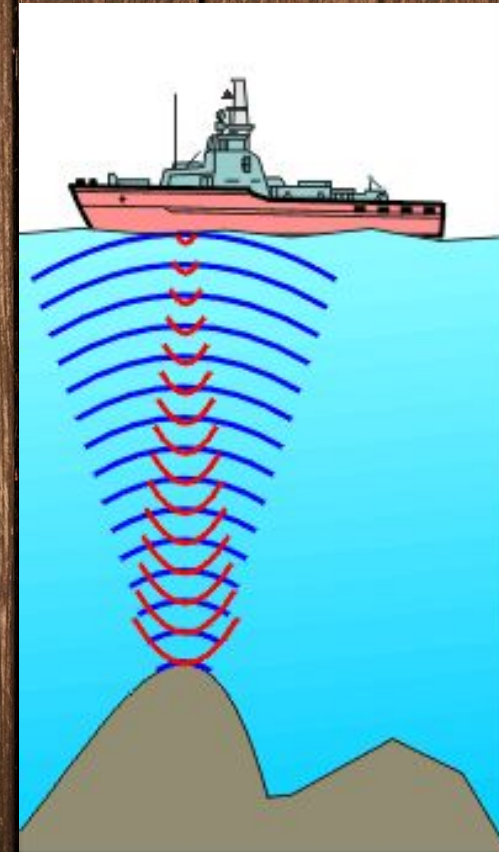
GMDSS radio watch keeping



Compare the compasses



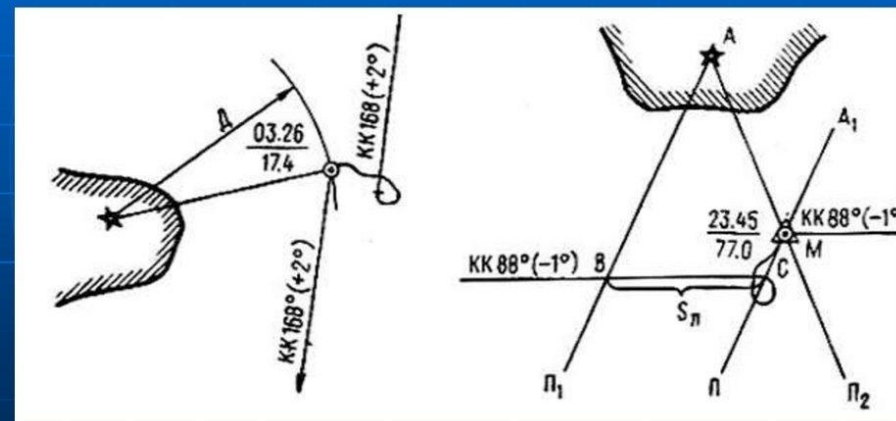
Check soundings by the echo sounder



Ensure that the lookout is alert



Check the position



Discussing with the outgoing OOW



Draft

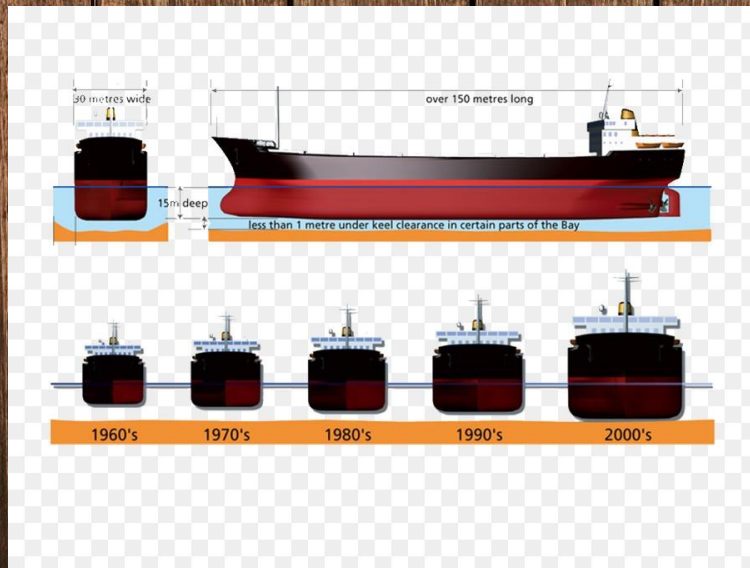
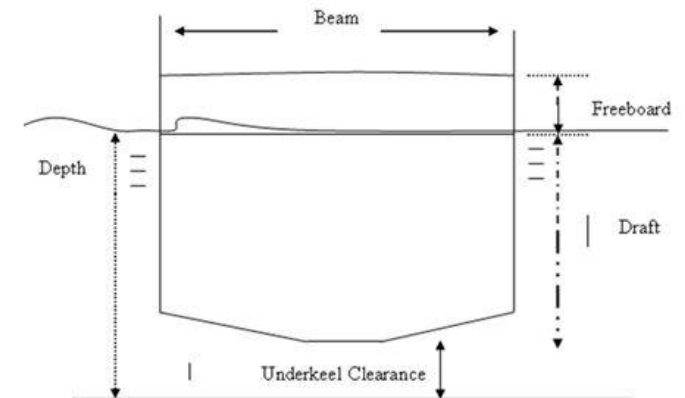
Draft Overview

Shift Draft:

- Ship draft is the vertical distance between the keel and the waterline.
- Draft is used to estimate the weight of cargo on board, by calculating the total displacement of water and applying Archimedes' Principle.
- The current method of draft measurement is to visually inspect the waterline markings on the ship. This process is accurate up to 1"
- By improving draft measurement, the ship weight can be more accurately determined.

Design Specifications:

- 1/8th inch accuracy
- Economical
- Portable
- Wireless
- Reduce risk to personnel
- Non-permanent mounting



Gyro and its error



Gyro Error

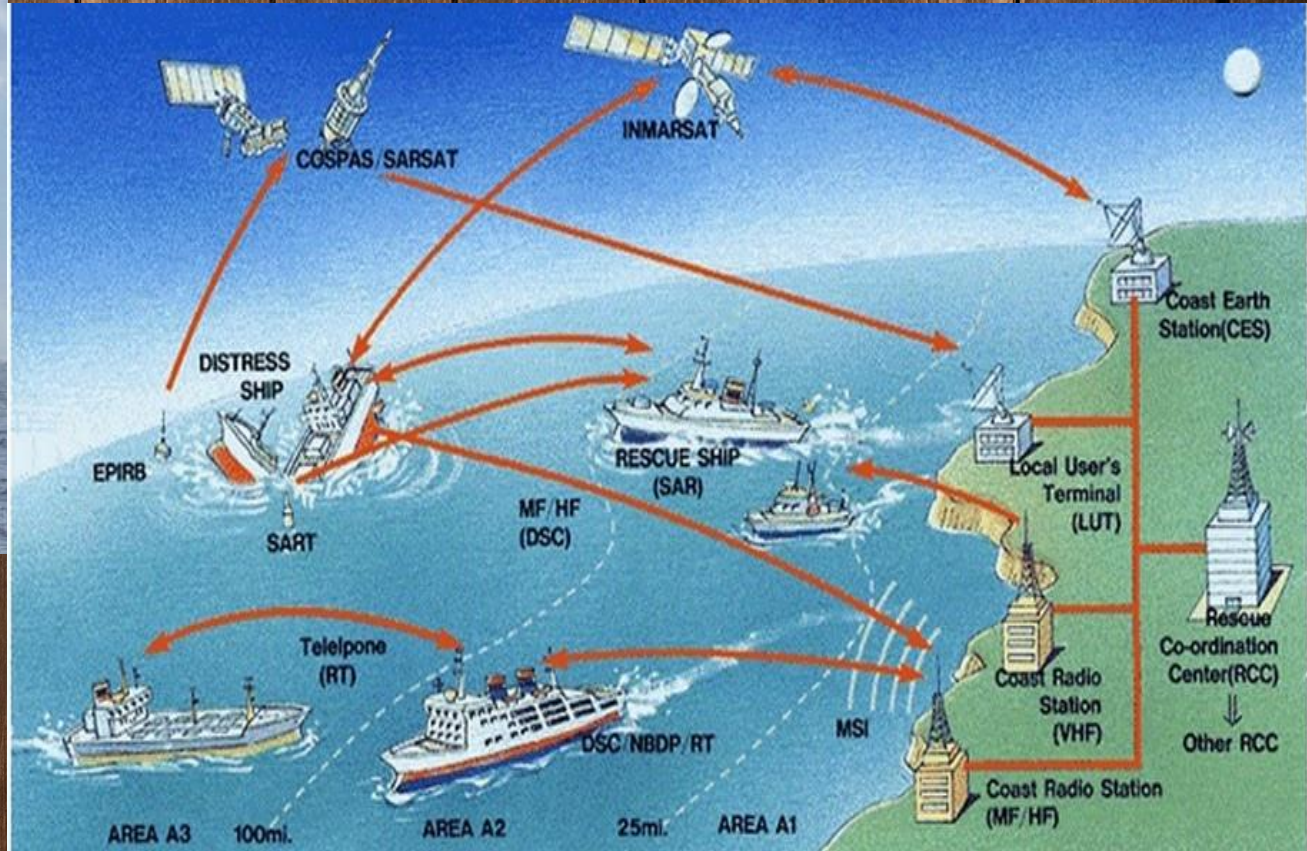
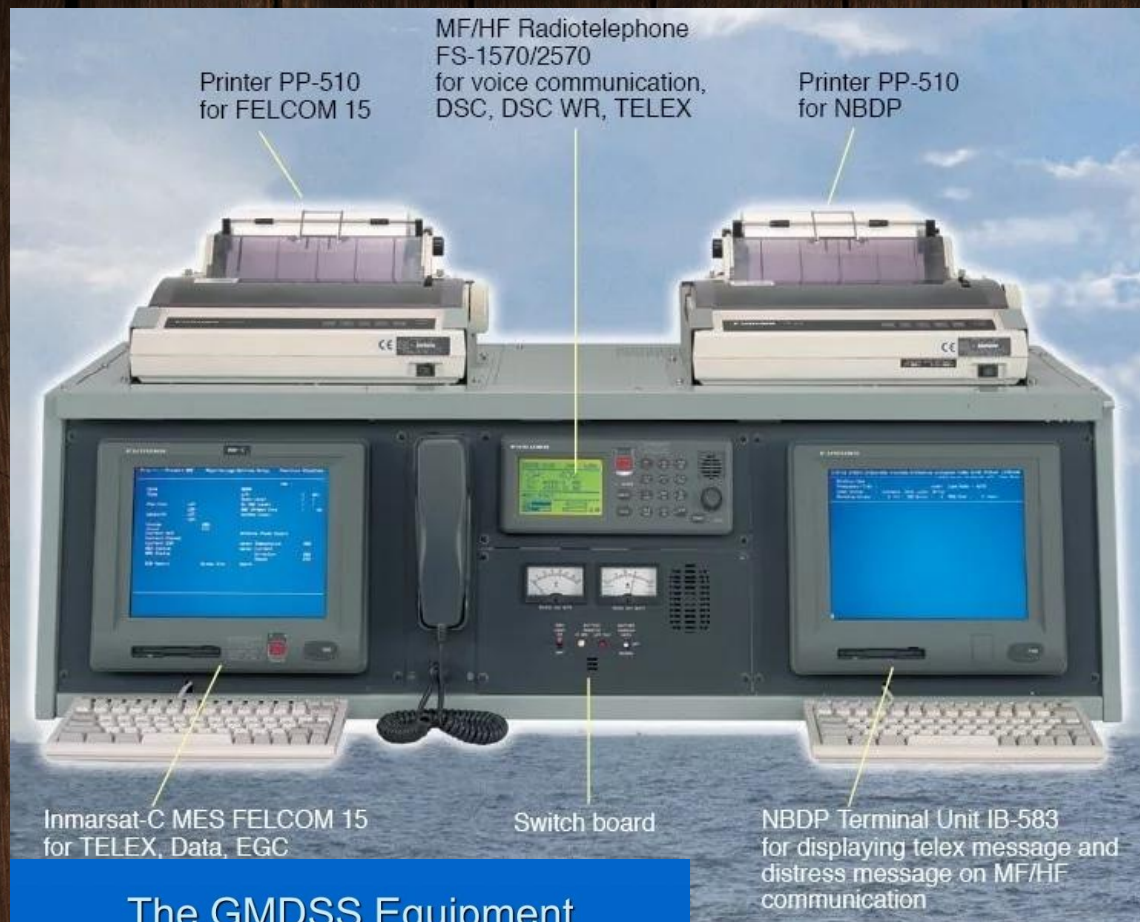
- Error – the difference between the true bearing and the Gyro reading
- Expressed in degrees East or degrees West

Gyro **Least**, error **East**

Gyro **Best**, error **West**

Gyro Bearing + East Error = True Bearing

GMDSS



The GMDSS Equipment



General rounds of the ship



That's all, thanks for watching.

В создании участвовали Стуга и Сиротинин

