

## **Abstract**

GMDSS and the equipment which is used in GMDSS is vital for the safety onboard of a ship. Even though deck officers are sufficiently educated in the usage of this equipment, an officer has no knowledge of the repairs and little knowledge of the maintenance that this equipment requires. But problems do occur on board of ships and maintenance should be done.

This thesis gives an overview of the general maintenance of GMDSS equipment as well as the most common repairs and defects. This thesis discusses the making of and the results of a questionnaire to investigate the most common problems and repairs onboard of ships.

This research shows that there are a lot of problems with GMDSS equipment. This research also shows that these problems can not always be solved by the crew itself.

This thesis concludes that it is useful for future deck officers to have knowledge about maintenance and repairs that occurs frequently. This would be a big advantage on board of ships, certainly regarding problems with antennas.