

ABSTRACT

The workspace is designed to allow sufficient motion around the operator's room which can be repaired easily at any time. In BASARNAS rescue boat bridge deck, the area while driving is only 27cm where the distance is too small that causes hands and elbows to steering wheel almost behind the body. Items placed above the elbow height are at least 5-10 cm, while the boat steering wheel is below the elbow not above the elbow. If carried out for a long time and repeatedly, it can cause injury. Therefore, a boat bridge deck needed a suitable workspace for the driver by doing re-design. This re-design is an observational method using the Rapid Entire Body Assessment (REBA) and because it is user oriented, anthropometric data, ergonomics and appropriate distance conditions are also needed in the workspace.

REBA scores that have been obtained are adjusted to anthropometric data and user ergonomics. The results from that data are used to help re-designing a suitable bridge deck for the boat driver. If it is appropriate, it can reduce injury and can improve safety, comfort to the driver of the BASARNAS rescue boat while working.

Keywords: *BASARNAS Rescue Boat, Wheel House, REBA.*