

Abstract

Line Oriented Flight Training is a proven method in the aeronautical industry that is used to train students' technical and non-technical skills in a standardised way. It is related to managing and handling an aeroplane in an as close as possible to real-life situation on a full-flight simulator. In the maritime industry no such standardised methodology exists to train bridge officers. The goal of this research is to explore if and how LOFT can be implemented for training purposes on maritime navigation simulators. One entire scenario was scripted through theoretical analysis and application of the standard LOFT procedures. This scenario was then empirically tested on the navigation simulator Polaris of the Antwerp Maritime Academy, Belgium, against both a treatment group and a control group of test subjects. The result of this research is that LOFT can indeed be implemented on a maritime navigation simulator. This conclusion opens future research opportunities on the use of LOFT for training purposes in maritime academies.