

## **THE USE OF SIMULATION TECHNIQUES IN THE DEVELOPMENT OF NON-TECHNICAL SKILLS FOR MARINE OFFICERS**

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### **ABSTRACT**

Many industries consider the use of simulator techniques as a major contributing factor to the fundamental increase of competency. The Aviation industry is one remarkable example that motivated the first attempts to manufacture ship bridge simulation. Maritime institutes and centers tended to provide training courses which are based on technical and procedural skills relevant to ships operations. This paper reviews the importance of the use of simulation techniques in the development of the skills of marine officer's onboard ships and the extent of their impact in enhancing the efficiency of masters and navigation officers. In addition to the review the importance of the development of social and cognitive skills training courses in a bid to provide an outline for future research, to look at how the context of training and simulation of social and cognitive skills for officers of ships which affects the successful development of these skills.

**KEYWORDS:** Non-Technical Skills, Ship Simulator, Crew Resource Management