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A Study on Analysis of BRM Simulator Training Scenario by Using of Simulation

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Summary: To make BRM training scenario design more objective and reasonable, it is necessary to understand the characteristics of training scenarios. In this paper, simulation analysis is applied to BRM simulator training scenario. The simulation model is composed of cognitive model of bridge crew and task network model which predicts watchkeeping performance of bridge team. By using of the simulation, training scenarios designed by some experts are analyzed in two ways, visualization of scenario progression as Gantt chart and evaluation of the crew size change effect on watch keeping performance. These analysis and evaluation are applied to three training scenarios and useful knowledge to quantify and control scenario difficulty is obtained.

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