

Title: **Effective Alarm Management for Dynamic Positioning and Vessel Control Systems**

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Abstract

Marine control systems always have an alarming function. Most of the existing systems have tabular alarm displays that often do not provide the operators with a meaningful interface. The existing alarm management guidelines mainly address applications for process control and aviation. These same techniques can be applied to marine control systems even as these systems normally do not have the large number of alarms that are associated with processes. This paper outlines how these same techniques can be used to improve operator interfaces for marine systems.

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