

Title: Dynamic Positioning of Underwater Vehicles (tethered or not)

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Abstract

This paper examines the challenges for installation and operation of a dynamic positioning system onboard an ROV or AUV. The paper discusses system requirements, design, installation and verification. Dynamic positioning for ROVs and AUVs provides an opportunity to improve the efficiency of operations involving these systems. The implementation of these systems differs from conventional vessel based dynamic positioning in the following areas:

- 1) Sensor availability
- 2) Control system access
- 3) Operating environment

The paper uses examples from field operations and trials to show system implementation and highlight lessons learned.

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