

Abstract 007 – DNVGL

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Presentation Title: D-Class, classification in a digital transformation

Abstract:

The industry has throughout the years developed practices for verification of DP systems. For operational vessels, this traditional way of doing verification can represent a significant verification burden.

With the increasing digital capabilities, new methods for doing verification can be developed. These methods are expected to be able to support a more flexible and less invasive survey scheme. The goal is to provide increased safety, in a more efficient verification scheme.

It is also anticipated that new verification technology can be incorporated as more integral parts of DP systems. When such functions can be accepted to provide, genuine and tamper-proof verification information, the verifier may use this information to be able to perform objective considerations towards the specified acceptance criteria in a more effective manner.

The objective with the D-Class project is to set requirements for verification of DP systems based on modern digital technology, enabling an improved and less invasive classification scheme. Pilot testing of new technology is a part of the project.

The objective builds upon the principles of ensuring that systems are designed to be verified and incorporation of verify-on-demand capabilities. When in place, such capabilities will assist in ensuring that systems and vessels are healthy to operate.