

FPSO NORNE Close Proximity DP Operations with MSV REGALIA

Author: Ralph H. Benham, Global Maritime, Inc. (Houston, TX)

Abstract

Dynamically positioned (DP) vessels operate close to fixed structures nearly every day in the North Sea. Operations vary from routine surface operations to large-scale subsea projects. What made the FPSO NORNE and MSV REGALIA operation unique was that it involved heavy lifts over subsea structures while both vessels were in full DP mode. The MSV REGALIA also had to come within 10 meters of the NORNE in order to place the lifts in the desired location. There are several standard forms of risk reduction that are implemented prior to every DP operation; these include trials, pre operation DP checklists as well as hourly DP checklists. Due the unusual nature of this operation and the obvious high level of risk involved, Statoil contracted to have a risk analysis performed on the proposed operation in its entirety. This was done to determine exactly what the risk exposure was and to find out if it was within acceptable limits. This paper will discuss the risk analysis, the solutions proposed to minimize the risks, and what risk reduction measures were actually implemented during the operation.

[Click here to review the complete paper](#) ►

[Click here to return to the session directory](#) ►