

Title: **Benefitting from the Use of MTS TECHOPS – A Case Study**

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Abstract

The overview of Dynamic Positioning operations throughout the industry has been increasing year on year. As the use of DP for the industrial mission has increased the need for a robust risk mitigation methodology has become higher on the priority list of the risk owners. MTS TECHOP's help meet these increasing demands by providing high level guidance and accessible tools to use during the DP Assurance project cycle.

To this end LOC has seen an increase in requests for, and application of, MTS TECHOP methodologies. With the TECHOP's available the DP systems installed on board a vessel can be more thoroughly vetted, and operations planned with greater detail to ultimately reduce risks to an acceptable level. Further, they help ensure that the DP documentation and testing package are compliant with the latest philosophies and methodologies available, which are often in excess of the vessels original FMEA test procedure. An example of this is the newly released TECHOP on Cross Connections, which is now being applied to help safeguard systems from previously unconsidered potential faults.

It is hoped that this paper will inform stakeholders in the DP industry that the use of MTS TECHOPs, and other available guidance, is beneficial to the DP Assurance process, and demonstrate a practical approach to their application. And further, that they can be performed and delivered in a timely, budget conscious manner to help ensure the continued safe delivery of the specific industrial mission, whatever that may be.