

Title: Introduction to MDAT (Mapping Delivery Ability Tool) – A Decision Support Tool Aiding Development of DP Vessel Operational Teams

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Abstract

Delivery of incident free DP operations is achieved by addressing the three elements

- Design
- Operations
- People

The MTS DP Committee has recognized the above and it is embodied in its Mission Statement.

Guidance documents have been published by the MTS DP Committee that address the Design and Operations Element. These documents draw attention to specific requirements of station keeping as it pertains to the Industrial Mission.

The People element has traditionally been associated with the training and competency requirements. A DPO Certification Scheme managed by the Nautical Institute has been in effect for a number of years.

Given the feedback from Industry on the positive impacts of the MTS Guidance documents on Design and Operations an initiative was embarked upon to address the People element in a similar vein ie with a focus on the Industrial Mission. The objective was to augment existing certification requirements with a systematic process that leveraged the MTS DP Guidance documents decision support tools eg (Well Specific Operating Guidelines /Activity /Specific Operating Guidelines) to enable the Professional Development of Personnel engaged in DP Operations.

A team was constituted and tasked with the above objective. The efforts of this team has resulted in a document that now bears the name “ Guidance for Professional Development of Personnel engaged in DP Operations using the Mapping Delivery Ability Tool (MDAT) and has been published as such by the MTS DP Committee. It is available for a free download from the MTS DP Committee website.

The document covers not only the DPO’s and Master but also other key stakeholders such as Maintenance Personnel and Personnel responsible for executing the Industrial Mission.

A pilot program was executed to validate the implement ability of this tool. The implementation methodology is also covered in the document.

Concurrence was sought and received from the MTS DP Committee to publish the document in its entirety in this paper.

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