

Title: DP verification study for multi-vessel flexible riser replacement campaign

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Abstract:

This paper gives an overview of DP verification and training activities conducted prior to a multi-vessel flexible riser replacement campaign in the North Sea in 2017. The operation involved two vessels operating inside the installation's exclusion zone for an extended time period.

The verification study comprised:

- A detailed review of historical drive-off and drift-off incidents to identify initiating causes and learning objectives relevant for the planned operation
- Establishing guidelines for training and familiarization for the operation
- Specification of improved operator guidance and decision support tools that can be included for the planned operation

Based on selected method and vessel specific details confirmed during the study the guidelines enabled planning and execution of necessary training and familiarization for the specific operation.