



**MTS DP WORKSHOP EUROPE
12 and 13 JUNE 2019
ABERDEEN**



**THIRD MTS DP WORKSHOP IN ABERDEEN UK JUNE 12 & 13 2019
WORKSHOP SPONSORS – DNV GL Noble Denton marine services**

WORKSHOP FACILITATOR: SUMAN MUDDUSETTI (CHAIRMAN MTS DP SUB COMMITTEE ON GUIDANCE AND STANDARDS - SHELL INTERNATIONAL EXPLORATION AND PRODUCTION)

WORKSHOP CO FACILITATOR: DR STEVEN CARGILL (MEMBER MTS DP SUB COMMITTEE ON GUIDANCE AND STANDARDS – DNV GL NDms TECHNICAL AUTHORITY FOR DP)

The third annual MTS DP COMMITTEE facilitated workshop event in Europe will be conducted on the **12th and 13th of June** in **ABERDEEN, SCOTLAND** at the offices of **DNV GL, Cromarty House, 67-72 Regent Quay, Aberdeen, AB11 5AR.**

This workshop will follow the familiar pattern of the MTS DP conference workshops conducted in Houston on the day preceding the Annual MTS DP Conference. Workshops such as this have delivered value to the DP community. This view is reflected in the increasing number of requests, to the MTS DP Committee, to conduct similar workshops in other areas around the world.

This workshop will maintain focus on enhancing awareness of DP related issues and the steps that can be taken to address these issues. It will also focus on means to enhance value and effectiveness in the management of DP operations across the Supply Chain. Additionally, the workshop will provide a venue for the participants to gain awareness of the TECHOPs published by the MTS DP COMMITTEE.

The topics for 2019 workshop were chosen by the sponsors for their significance and relevance to activities being carried out offshore Europe.

Registration: Attendance at this workshop is free of charge but limited to 30 persons. Registration for this workshop will be managed by **Jane Simpson** (jane.simpson@dnvgl.com). Early registration is recommended.

Note 1: *MTS DP Committee offers this workshop, with no fees to the participants. This has been achieved by the generosity and sponsorships by members of the DP Community including providing the facilities, lunch and refreshments over the two days and a dinner for participants at the end of Day 1. Participants are expected to bear any other associated costs of attendance.*

Note 2: *In order to facilitate participation across a diverse group of stakeholders, attendance will be limited to 2 persons per Company/Organization. Additional participants may add their names to a waiting list and will be accommodated, space permitting.*

Applicability: Those likely to benefit from the workshop include:

- Shipyards / DP Vessel Designers, Key DP Equipment Vendors. (Embedding the 'Design to Test Philosophy in DP Vessel Design')
- Consultant community
- Representatives from Vessel Owners / Contractors' Project Teams, Technical departments (with accountability for specifying DP Equipment, FMEAs, Operations)
- Representatives from Class responsible for approval of DP systems
- Representatives from Statutory Bodies (Flag State / Coastal State)
- Vessel's Operational Management teams (Masters, Chief Engineers, Chief Electricians & DPOs)
- Representatives from Oil Companies / Operators with accountability for assurance on DP related matters
- Representatives responsible for training personnel / stakeholders engaged in DP operations. (not limited to DPO training).



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The format of the workshop will follow the now proven and expected format, used at the MTS DP CONFERENCE in Houston. Participants work in small groups of 6 to 8 persons per table. Coaching and mentoring will be provided to the participants to allow them to be effective and achieve the stated objectives. Results and conclusions from the workshop will be summarized and presented to the MTS DP Technical Committee and to the sponsors.

The workshop will focus on enhancing awareness of issues and steps that can be taken to address the same and means to enhance value of managing DP operations effectively across the Supply Chain. Additionally, the workshop will provide a venue for the participants to gain awareness of the Technical and Operations guidance (TECHOPs) published by the MTS DP COMMITTEE.

TOPICS AND AGENDA

DAY 1

MORNING SESSION (0800 – 1200): **Hybrid Power. Effect on DP System Design, Protection, Verification & Validation.**

Introduction to Hybrid Power for DP:

- Various ways and points at which stored energy can be added to a DP redundancy concept to enhance:
 - Fuel efficiency
 - Pollution reduction
 - Robustness and resilience
- Issues to be managed relating to the cost-effective implementation of hybrid power (retrofit)
- Workgroup topic- Hybrid Power- Is it a one size fits all?
 - MODUs
 - Construction Vessels
 - Logistics Vessels

LUNCH BREAK: (1200 – 1300)

AFTERNOON SESSION (1300 – 1700): **Predictable Incident Free DP Operations: - Are We Leveraging all the Tools We Have? (Design: Operations: People: Process) - A DP COMMUNITY PERSPECTIVE.**

- Vessel owners
- OEM
- Class
- Independent 3rd party verifiers
- End user charterer's

DAY 2

MORNING SESSION (0800 – 1200): **External Interfaces & Cross-Connections. Identification, Categorisation of Risk and Testing.**

- Why cross connections are not always identified as risks in DP system FMEAs
- A formal risk ranking method for various types of control power cross connection
- Discussion of recent examples of incidents cause by cross connections and external interfaces
- Methods to test cross connections
- Alternative to cross connections



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LUNCH BREAK: (1200 – 1300)

AFTERNOON SESSION (1300 – 1700): [Effective Verification and Validation \(Workshop Topic\)](#).

What constitutes effective verification and validation?

- Enablers
- Barriers

Remote DP trials/verification:

- Perspectives:
 - Owners
 - Class
 - End user charterer
 - Independent 3rd party verifiers
 - OEM (How are OEMs responding to this?)

END