



**MTS ASOG WORKSHOP NORWAY**  
**5<sup>th</sup> and 6<sup>th</sup> of FEBRUARY 2020**  
**OSLO**



**MTS ASOG WORKSHOP IN NORWAY 5<sup>th</sup> and 6<sup>th</sup> of FEBRUARY 2020**  
**WORKSHOP SPONSORS – Equinor / DNVGL**

**Supported by MTS DP COMMITTEE**

WORKSHOP CHAIRS: BJORN NYGARD (EQUINOR), ALEKS KARLSEN (DNV GL MARITIME),  
JOHANNES KRISTIAN BJØRINGSØY (BASSA) (SEBASTIAN)

WORKSHOP FACILITATORS: DR STEVEN CARGILL (MEMBER MTS DP SUB COMMITTEE ON GUIDANCE AND  
STANDARDS - DNVGL NDms TECHNICAL AUTHORITY FOR DP)  
SUMAN MUDDUSETTI (CHAIRMAN MTS DP SUB COMMITTEE ON GUIDANCE AND  
STANDARDS - SHELL INTERNATIONAL EXPLORATION AND PRODUCTION)

WORKSHOP CO FACILITATOR: KAI ARNE SMEBY-LERSTAND (GLOBAL MARITIME)  
JOHANNES KRISTIAN BJØRINGSØY (SEBASTIAN)

The MTS DP COMMITTEE facilitated **ASOG DEVELOPMENT WORKSHOP** event in Oslo, Norway will be conducted on **5<sup>th</sup> and 6<sup>th</sup> of February** at the Equinor facilities in Martin Linges vei in Fornebu, Oslo. This workshop will follow the familiar pattern of the MTS DP conference workshops conducted globally and in Houston on the day preceding the Annual MTS DP Conference. Workshops such as this are seen as adding 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 such as those held in Aberdeen, Abu Dhabi, Rio De Janeiro and Singapore.

The workshop topic was chosen by the sponsors and the DP Community in Norway for its significance and relevance to activities being carried out offshore.

**Registration:** Attendance at this workshop is limited to 40 persons (Limit 2 per company – Exception requests if any to be forwarded to Bjorn Nygard(Equinor) /Bassa ( Sebastian). Registration for this workshop will be managed by:

- Kai Arne Smeby-Lerstad ([Kai.Lerstad@globalmaritime.com](mailto:Kai.Lerstad@globalmaritime.com))
- Johannes Kristian Bjøringsøy ([bassa@sebastian.no](mailto:bassa@sebastian.no))

Please register early by sending an email **to the email id`s to both** mentioned above.

**Topics the ASOG Workshop will cover are**

- Background and History of ASOG
- Development Of ASOG
  - Key Inputs
  - Challenges and Overcoming Them
- Ownership of the ASOG
- Extracting Maximum Value from The ASOG
- Feedback



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**Applicability:** Those likely to benefit from the workshop include:

- Representatives from Vessel Owners / Contractors' Project Teams, Technical departments (with accountability for specifying DP Equipment, FMEAs, providing technical support for Operations, Managing Operations)
- Vessel's Operational Management teams (Masters, Chief Engineers, Chief Electricians & DPOs)
- Representatives from Oil Companies / Operators with accountability for chartering of and assurance on DP related matters
- Representatives responsible for training personnel / stakeholders engaged in DP operations. (not limited to DPO training)
- Consultant community (Independent 3<sup>rd</sup> Party Assurance and providing technical and operational support to Charterers and Vessel Managers)
- Representatives from Class responsible for approval of DP systems
- Representatives from Statutory Bodies (Flag State / Coastal State)
- Representatives from Shipyards, Key DP equipment vendors

The format of the workshop will follow that used at the MTS DP CONFERENCE in Houston. Participants work in small groups of 8 to 10 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 using a quality Activity Specific Operational Guidelines.

Note- These workshops are interactive and flexibility in the agenda is introduced by design to accommodate topics of interest of the participants.

NETWORKING/ICEBREAKER EVENT at 1830 hrs on 5th FEB, SPONSORED BY SEBASTIAN AS, at ~~Quality Hotel Expo at Snarøyveien 20, 1360 Fornebu~~

January Update: This event is now moved to Radisson Blue Park Hotel, Fornebuveien 80, Lysaker.



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**TOPICS AND AGENDA**

**DAY 1**

**(0900~0905) Welcome and Safety Briefing**

**(0905~0920) Introductions (All) (15 Mins)**

**(0920~0950) Expectations from Workshop**

- Discussion **(20 Mins)**
  - Your Perspective on ASOG (Compliance Or Effective Decision Support Tool)
  - Your Challenges With ASOGs (Development / Delivery / Usage etc )
  - What do you Need to Address your Challenges?
- Wrap Up **(10 Mins)**

**(0950~1000) Requirement for an ASOG**

- Back Ground MTS DP Guidance, IMO,
- Techop's and LFI's And the Link to Quality ASOG / WSOG

**(1000~ 1030) Process for The Development of an ASOG and Structure of an ASOG**

- Process for Development of an ASOG
- What Goes into a Quality ASOG?

**(1030~1045) Break**

**(1045~1130) Review of Sample ASOG / WSOG**

**(1130~1230) Discussion on FMEA'S Proving Trials and Annual Trials**

**(1230~1330) Lunch Break**

**(1330~1430) Focus Areas**

- CAM /TAM (Industrial Mission, Cross Connections, External Interfaces)
- Post Failure Capability (Intact and Effects of IRM)
- PPRs
- Modes and Features
- Triggers for Yellows
- RP D-102 'FMEA of Redundant Systems' - Approach
- Discussion X-Connections, Commonality, External Interface & Influences
- Discussion on Techops LFI etc



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**(1400~1415) Break**

**(1415~1515) Introduction to e ASOG – (Kongsberg Maritime, Marine Technology (to be confirmed))**

**(1515~1545) Identification of Focus Areas and Example Work Process**

**(1545~1630) Facilitated Discussion – Your Experience with ASOG**

- Development
- Implementation
- Surveillance

**(1630~1645) Break**

**(1645~1730) Discussion on Focus Areas**

- CAM/TAM (Industrial Mission, Cross Connections, External Interfaces, )
- Post Failure Capability (Intact and Effects of IRM)
- PRSs
- Modes and Features
- Triggers for Yellows

**(1730~1750) Report Out**

**(1750~1800) Wrap-up Day 1**

**DAY 2**

**(0900~0945) Factors Influencing ASOGs**

- Comprehensive Documentation
- Verification and Validation Process
- Ownership

**(0945~1030) Addressing Cross Connections**

**(1030~1045) Break**

**(1045~1115) The QTS Process**

**(1115~1215) In Depth Review of a QTS and an ASOG**

**(1215~1230) Brainstorm Session - (Reflections / Points to Ponder / Unanswered Questions)**

**(1230~1330) Lunch Break**

**(1330~1400) Addressing Output of Brain Storm Session**



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**(1400~1445) Dilemmas**

**(1445~1500) Break**

**(1500~1545) In-Service Issues and Addressing Them**

**(1545~1615) Ownership of ASOG- Facilitated Discussion**

**(1615~1645) What Skills are Required to Develop an ASOG? (Facilitated Discussion)**

**(1645 ~1740) Q & A Session - Everything You Wanted to Know About ASOGs That Was Not Addressed**

**(1740~1800) Feedback and Wrap-Up**

**END OF WORKSHOP**