	<p style="text-align: center;">IADC UBO & MPD Committee Meeting</p>	<p style="text-align: center;">4th Quarter Meeting December 8-10 2015 London, UK</p>
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DAY 1 – Tuesday December 8th

Welcome, Announcements & Safety Moment.

Per Cato Berg welcomed the UBO-MPD committee. Per Cato gave us a welcome speech and covered the building safety and IADC antitrust policy. The guidelines can be retrieved in their entirety from the IADC web site.

Safety moment was given by Iain Sneddon. He shared a past experience where he was not focused on the task while driving. The message taken away is to be mindful and fully focused on the task at hand.

Introduction of Committee Members and Guests.

The group was then asked to introduce itself. Each attendee gave an introduction including company name and work location. See Appendix 1 for the detailed list of the attendees.

Kaydree Uzelman (Weatherford EEP) to be a minute taker.

Q3.15 Meeting Minutes – Review

The previous minutes were not officially approved. Per Cato Berg is looking into the status of the minutes.


Subcommittee reports

UBO – Dennis Moore

- Document 92U 2 page addendum was released
- Next action is to revisit 92U as a whole

MPD – Per Cato Berg

- Surface BOP
 - Document 92M – Comments are processed and submitted to API
 - Awaiting feedback from API
- Subsea BOP – PMCD
 - Document 92P – Revised in September, Sent to API
 - Awaiting feedback from API
- Subsea BOP – Surface Backpressure
 - Document 92xx was distributed to the group for comments
 - 529 comments were made
 - 351 comments that need to be processed
 - The MPD task group will be concentrating on this during their breakout sessions

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DGD – Iain Sneddon

- Distributed an email last week to subcommittee members seeking feedback on required practices; Iain received very little feedback in return
- It is felt the work in the subcommittee has currently stalled as there has been a gradual fall off of participation as the work on the Subsea BOP document is currently more pertinent

HSE / Training Committee – Oscar Gavaldon

- The subcommittee has developed the fundamental and supervisory curriculum training
- This document was distributed to the committee members Dec. 7, 2015
Action – Martin Culen will be sending members an email with instruction on how to facilitate comments with a given deadline. The comments will be reviewed / incorporated and the document will be redistributed for vote
- The finalized document is to be sent to Brenda to process as the official accredited IADC training curriculum

Regulation Liaison – Nothing

Well Control Liaison – Paul


- Suggesting to set limits on MPD matrix, suggesting including a calculation to use to populate the matrix
- Document API 64 suggesting to remove riser gas handling section as this is not a diverter system. Action – Paul is looking into if this has been removed from the document.
- Proposing assigning the appropriate committee that riser gas handling should reside
 - Well Control Committee or Managed Pressure Drilling Committee

Certifying Liaison – CJ Bernard

- No discussions with DNV since last committee meeting
- ABS document is approaching final review

API 16 RCD – Martin Culen

- API 16 RCD Edition 2 was released
- In Q3 the development of operational testing standards started development
 - Since Q3 operating test procedure and types are put into an a working document
 - The subcommittee will be working on populating this operating standard during the breakout sessions during the next three days

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Lunch

Sponsored by MPO & Halliburton

Workgroup Break-Outs

MPD Subcommittee – Subsea BOP Comments

API 16 RCD – Operational Testing Standard

Video Conference with Houston


- Recap of subcommittee reports and break-out session

Nomination of 2016 Vice-Chairman

Committee/ Subcommittee	Vice Chairman	Nominees
MPD/UBD Committee	Per Cato Berg	John Kozicz Dennis Moore Martin Culen
MPD Subcommittee	John Kozicz	Christian Stridsklev Sara Shayegi
UBO Subcommittee	Mike Vander Staak	Dennis Moore
DGS Subcommittee	Dale Straub	Børre Fossil
HSE / Training Subcommittee	Oscar Gabaldon	George Medley
API 16 RCD Task Group	Martin Culen	Martin Culen
Regulatory Liaison	Earl D	Earl Deidrich
Class Certification Task Group	C.J. Bernard	C.J. Bernard
Well Control Liaison	Paul Sonneman Charlie Orbel	Paul Sonneman Charlie Orbel
Gas in Riser Work Group	Paul Sonnemann	Paul Sonnemann
API Document Liaison	Sara Shayegi	Sara Shayegi

2016 Committee Meeting Destination

Quarter	Date	Location	Sponsor
Q1	February 9 - 11	Rijswijk & Houston (by video) or (Copenhagen & Houston (by video))	Shell (Hess)
Q2	April 14 - 15	Houston IADC	Halliburton
Q3	August 23 - 25	Houston & London/Oslo (by video)	MPO
Q4	December 6 -8	Athens / Milan & Houston (by video)	Ocean Rig or Saipem

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MPD Conference Destination

Year	Location
2017	Rio
2018	Athens

DAY 2 – Wednesday December 9th

Welcome for Day 2

Workgroup Break-Outs

MPD Subcommittee – Subsea BOP Comments

API 16 RCD – Operational Testing Standard

Lunch

Sponsored by MPO & Halliburton


Workgroup Break-Outs

MPD Subcommittee – Subsea BOP Comments

API 16 RCD – Operational Testing Standard

Video Conference with Houston

- Recap of subcommittee reports and break-out session
 - MPD Subcommittee – Processed 60 comments
 - API 16-RCD Task Group – Developing Q3 test framework and populating with suggested values for variables. It was communicated to the group that the spirit of the document is not to compare RCD manufacturers but rather to develop a testing standard that the end user can use as a tool while developing the drilling program i.e. planning stripping element changes and populating the MPD matrix limits

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The results of the elections of 2016 Vice-Chairman were:

	2015		2016	
	Chairman	Vice-chair	Chairman	Vice-chair
MPD/UBO Committee	David Pavel	Per Cato Berg	Per Cato Berg	John Kozicz
MPD-subcommittee	Per Cato Berg	John Kozicz	John Kozicz	Christian Stridsklev
UBO-subcommittee	Dennis Moore	Mike Vander Staak	Mike Vander Staak	Dennis Moore
DGD-subcommittee	Iain Sneddon	Dale Straub	Dale Straub	Børre Fossli
HSE & Training-subcomm.	Oscar Gabaldon		Oscar Gabaldon	George Medley
Other				
Outreach	Dissolved			
API 16RCD Task Group	Martin Culen		Martin Culen	
Regulatory Liaison (BSSE)	Earl Dietrich		Earl Dietrich	
Class certification Task Group	C.J. Bernard		C.J. Bernard	
Well control committee liaison	Paul Sonneman & Charlie Orbel		Paul Sonneman & Charlie Orbel	
Gas in riser workgroup	Paul Sonneman		Paul Sonneman	
API Document liaison	Sara Shayegi		Sara Shayegi	

The following suggestions were made for selection of Vice Chairman Position for the MPD/ UBO Committee next year:

- Nominations will be collected all year
- Submission of nominations shall be sent to Leesa
- Encouraging individuals that have not yet been chairman to be nominated
- Suggestion: that if the Chairperson is from North America that the Vice be from Europe and vice versa

Workgroup Break-Outs


MPD Subcommittee – Subsea BOP Comments

API 16 RCD – Operational Testing Standard

DAY 3 – Thursday December 10th

Q3.15 Meeting Minutes – Review

Review of Q3 2015 meeting minutes. Motion to approve minutes made by Martin Culen, and seconded by Iain Sneddon. Minutes approved.

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Workgroup Break-Outs

MPD Subcommittee – Subsea BOP Comments

API 16 RCD – Operational Testing Standard

Recap of 3 Day Break-Out Progress


MPD Subcommittee – Subsea BOP Comments

- Subsea BOP Internal Committee Comments
 - Processed 271 of 533 comments
- **Actions:**
 - **Chris will organize group for defining well control & operational conditions, will report next meeting for discussion**
 - **Iain will revise and reorganize Chapter 5 and send changes to Per Cato before Christmas break.**
 - **Per Cato will update document as per comments processed this meeting, Per Cato will distribute the updated document and remaining comments to the committee by End of December for review**
 - **Paul to review and comment on existing gas in riser section**

API 16 RCD – Operational Testing Standard

- Progressing work on operational testing standard
 - Provide framework for operational limits for well planning vs. comparing manufactures
 - Recognize that more robust testing is required for RCDs, depending on how industry accepts this test stand it will be considered to incorporate this into the API 16 RCD standard for design and manufacture
 - Have divided up the sections of the operational testing standard between the task group
- Action: Task group members to send their sections sent to Martin by the end of January, Martin will incorporate these sections into the document for review during the February committee meeting.**

Per Cato thanked MPO and Halliburton for arranging and sponsoring the meeting, and adjourned the meeting.

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London Attendance:

Name		Company Name
Martin	Culen	Blade Energy
Tamas	Mezo	Contitech Rubber Industrial
Jeff	Graybeal	Diamond Offshore
Kaydree	Uzelman	Elite Energy Products
Borre	Fossli	Enhanced Drilling
Dale	Walden	ExxonMobil
Dag	Vavik	Future Well Control AS
Joe	Karigan	Halliburton
Andrew	McNeill	Managed Pressure Operations
Paul	Francis	M-I Swaco
Christian	Stridsklev	National Oilwell Varco
Jon	Thain	Ocean Rig
Frederic	Jacquemin	Pacific Drilling
Antonio	Torrealba	Reform Energy
Paul	Sonnemann	SafeKick
Helio	Santos	SafeKick
Per Cato	Berg	Statoil
Gavin	Humphreys	Stena Drilling
Iain	Sneddon	Transocean
James	Chamber	Weatherford

Houston Attendance:

Name		Company Name
Chris	Scarborough	BP America
Calvin	Holt	Chevron



**IADC UBO & MPD
Committee Meeting**

**4th Quarter Meeting
December 8-10 2015
London, UK**

Dale G.	Straub	Chevron
Amar	Ahluwalia	DNV GL
Tom	Proehl	Ensco plc
Isabel	Ploetzky	Halliburton
Christopher	Bernard	Halliburton
Mike	Vander Staak	Hess Corporation
Leesa	Teel	IADC
Jeff	Robbie	Managed Pressure Operations
George	Michaud	Managed Pressure Operations
Dennis	Moore	Marathon Oil Company
Juan Carlos	Beltran Paredes	M-I Swaco
Shantur	Tapar	National Oilwell Varco
Martyn	Parker	Pruitt Tool & Supply Co
Sara	Shayegi	Shell International Exploration & Production
John	Kozicz	Transocean
Bill	Huckaby	Weatherford