

3rd Quarter Meeting August 24-26 2015 Houston, TX

DAY 1 – 24th August 2015

Welcome, Announcements & Safety Moment.

Morning Session: David Pavel welcomed the UBO-MPD committee. Reminder given on actions to take in the event of a building Alarm. The IADC Anti-Trust Policy and Guidelines were brought to the attention of the Committee. The Guidelines can be retrieved in their entirety from the IADC Web Site.

Safety Moment – Choking hazards and life saving techniques. Learn CPR.

Review of Q2 Meeting, held in Dubai.

UBD Subcommittee	Dennis Moore Mike Vanderstaak	API 92U comments, No Update
MPD Subcommittee	Per Cato Berg John Kozicz	 92M Applied Backpressure Surface Stack Continued IADC RP for MPD / Subsea BOP. Draft is currently available for review.
Dual Gradient Subcommittee	lain Sneddon	 Getting ready for DGD workshop at Moody Gardens following Well Control Conference.
Training	Oscar Gabaldon	continued development of supervisory curriculum

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.

Topics discussed

The committee finalized the list of possible documents which the committee should be working on in the coming years. The list should be sent out to the committee for review and prioritization. **Action: David Pavel**

Discussed meeting format. Decided to check the possibility of using video conferencing equipment to facilitate meeting in London and Houston. **Action: MPO**

Decided to align the structure of the 3 documents under construction. Action: Per Cato Berg

Start Breakout sessions - 4 Groups

- 16RCD
- Training
- Applied Backpressure (ABP) MPD with Subsea Stack
- Dual Gradient Drilling (DGD)



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Notes from the Breakout sessions of the 3 day meeting:

MPD Subcommittee:

Reviewed comments for ABP with Subsea Stack document

Status of documents:

- 1. ABP surface BOP (92M)
 - Ballot comments received Feb. 2015
 - 236 of 266 comments processed
 - Plan: Process remaining comments in WebEx Sept. 16th
- PMCD subsea BOP
 - Document sent to API
 - Plan: Implement some changes (based on 92M ballot) before API sends it out for ballot
- 3. ABP subsea BOP
 - Sent out for IADC internal review.
 - Received 246 comments
 - Plan: Implement some changes (based on 92M ballot) Pre-process comments before London meeting (Dec.)

Action plan to review prior to Q4 meeting -

- Chapters 1,2,3,8 Per Cato
- Chapters 7, 9 Petrobras
- Chapters 4, 6 ABS
- Chapter 5 Transocean

Training Subcommittee:

- Addressed PBR comments to MPD Fundamentals curriculum
 - o Proposed to remove Driller, leave on the Supervisory curriculum
- Completed first draft of Supervisory curriculum
 - Now to review by Subcommittee members, prior to submission to general Committee for approval.
- Course format
 - o MPD Training should be IADC Certification
 - o Fundamental (8 hrs) and Supervisory (24hrs, including Influx Management and Problems modules) levels.
 - o 2 year certification
 - Not part of IADC Well Control
 - Recertification: Take full class every other certification period. Take refresh class in between, before current certification expires.
 - Refresher is basically the MPD Influx Management and MPD Problems and Complications modules



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- To be discussed with IADC
 - o Process of certifying training programs/organizations
 - Curriculum
 - Instructors
 - o Testing requirements
 - o Computer based/online training
 - Only Fundamentals
 - Main issue would be testing, would need to be addressed
 - Propose modules on Influx Management and MPD Problems and Complications (8 hrs) to be add-on for IADC Well Control certification
- Plan forward
 - o Review by Subcommittee and send feedback to OG by EO September
 - o Prepare final documents and submit to Committee by EO October
 - o Propose vote by Committee on both Fundamental and Supervisory levels in Q4 meeting

DGD Subcommittee:

- No DGD Event (Workshop / Seminar) planned for next year (2016)
 - Plan is to have next DGD Event (Workshop / Seminar) in conjunction with SPE/IADC MPD & UBO Conference in Rio, Brazil in 2017. Format of event to be developed.
- Group agreed that work needed to start on preparation of a "DGD Recommended Practices
 Document" and this would be the focus of the Subcommittee in upcoming Meetings this year and
 next year.
- John Cohen committed to preparing a document creating an "audience list" namely who we would be preparing these documents for, who's going to read / use them.
- Discussion on format and framework of the document. It was proposed that we use the Draft NTL prepared for BSEE and the 4 DGD Techniques posters as basis to develop the document framework.
- Plan for document to discuss common themes of DGD at high level and then branch into the 4 processes below.
- lain Sneddon & Frederic Jacquemin to work on having Document Framework for review at Q4 Meeting to be held in London, 08 – 10th September 2015.
- Iain Sneddon to put together an e-mail inviting key DGD related individuals to participate in developing the Practices, allowing for travel / cost restrictions etc
- Frederic Jacquemin presented at the Well Control conference on Thursday.

RCD Task group:

Continued work on the operational testing standard. Ref. attached MoM for details.



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Appendix 1: Attendees List

Jay	Bruton	AMERICAN BUREAU OF SHIPPING
Martin	Culen	BLADE ENERGY PARTNERS
Oscar	Gabaldon	BLADE ENERGY PARTNERS
Inam	Haq	BLADE ENERGY PARTNERS
Patrick	Brand	BLADE ENERGY PARTNERS
Chris	Scarborough	ВР
Scott	Johnson	ВР
Nate	Smith	CAMERON
Glenn	Josnson	CAMERON
Tamas	Mezo	CONTITECH RUBBER INDUSTRIAL LTD
Gergely	Szekely	CONTITECH RUBBER INDUSTRIAL LTD
Jeff	Graybeal	DIAMOND OFFSHORE DRILLING, INC.
Patrick	Stokes	DRILLING INNOVATIVE SOLUTIONS, LLC
George	Hanst	DRILLING INNOVATIVE SOLUTIONS, LLC
Tom	Dixon	EFC GROUP EFC AMERICAS INC
Craig	Clarke	EFC GROUP EFC AMERICAS INC
Kaydree	Uzelman	ELITE ENERGY PRODUCTS
Andrew	Barabash	ELITE ENERGY PRODUCTS
John	Cohen	ENHANCED DRILLING
Christopher	Bernard	HALLIBURTON
Joseph	Karigan	HALLIBURTON ENERGY SERVICES
Mike	Vander Staak	HESS CORPORATION
Leesa	Teel	IADC
Jeff	Robbie	MANAGED PRESSURE OPERATIONS (MPO)
Dennis	Moore	MARATHON OIL COMPANY
Dag	Vavik	MHWIRTH
Juan	Beltran	M-I SWACO A SCHLUMBERGER COMPANY



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Ron	McInnes	M-I SWACO A SCHLUMBERGER COMPANY
Jaye	Shelton	M-I SWACO A SCHLUMBERGER COMPANY
Shantur	Tapar	NATIONAL OILWELL VARCO
Roberto	Zerkowski	NATIONAL OILWELL VARCO
Bill	Huckaby	NATIONAL OILWELL VARCO
Tracy	Mossman	NEXEN PETROLEUM
Frederic	Jacquemin	PACIFIC DRILLING
Guilhereme	Vanni	PETROBRAS
Emmanuel	Nogueira	PETROLEO BRASILEIRO SA
Martyn	Parker	PRUITT TOOL & SUPPLY CO
Jose	Torrealba	REFORM ENERGY SERVICES CORP
Paul	Sonnemann	SAFEKICK
Duff	Sibanda	SCHLUMBERGER
Mauricio	Aguiar	SEADRILL
Sara	Shayegi	SHELL INTERNATIONAL EXPLORATION & PRODUCTION
Brian	Tarr	SHELL INTERNATIONAL EXPLORATION & PRODUCTION
Tom	Askeland	SIEM WIS AS
George	Medley	SIGNA ENGINEERING CORP
Per	Berg	STATOIL
Gavin	Humphreys	STENA DRILLING
Stewart	Wilson	STRATA ENERGY SERVICES
Ryan	Klemetson	TOLOMATIC INC
John	Kozicz	TRANSOCEAN
lain	Sneddon	TRANSOCEAN OFFSHORE
Brian	Grayson	WEATHERFORD UNITED STATES
David	Pavel	WELLING & COMPANY