

	<p style="text-align: center;">IADC UBO & MPD Committee Meeting MoM</p>	<p style="text-align: center;">3rd Quarter Meeting Sep 19 – 21, 2017 Schlumberger House, London</p>
---	--	---

Day 1 – Tuesday September 19

08:30 Welcome, Announcements and Safety Moment

Oscar Gabaldon welcomed the UBO & MPD Committee and thanked Schlumberger for sponsoring the meeting. Safety briefing about the facilities by Charley Kamps.

Introduction of Committee Members and Guests. The group was 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.

Martyn Parker volunteered to be a minute taker.

Safety moment – Hurricane Harvey impact in Houston.

IADC Anti -Trust policy.

08:45 Recap from Q2.17 Meeting

- UBD limited attendance working with MPD group (92 U will be reviewed in full in future).
 - Currently Antonio, Dennis and Mike Vander Staak working on this group.
- MPD 92 docs are up to date, 92p reviewed final comments last meeting.
- MPD docs Influx control / not WC / primary well barrier
- 92M to include (Low head / 2-phase MPD)
- JIP request for benefits of MPD (Safety benefits, drilling efficiency). Considered getting an outside party in to do this, however current plan is to issue a survey.
- MPD Training update (Maersk training)
- The majority of the last meeting was the Influx control work groups which will become an annex to 92S & 92M, 2 groups #1 Process and #2 Equipment.

09:00 Discussed Meeting and conference schedule

2017 Committee Meeting Schedule.

Quarter	Date	Location	Sponsor
Q4	December 5 – 7	Houston	Maersk Training

2018 Committee Meeting Schedule.

Quarter	Date	Location	Sponsor
Q1	February 6 – 8	Houston	API
Q2	April 19 – 20	New Orleans	Shell? (TBC, Sara to investigate)
Q3	September 19 – 21	Aberdeen	Weatherford (TBC, Michael Cadd to confirm)
Q4	December 5 – 7	Houston	TBA

Post data note: WFT Aberdeen confirmed dates and location for sponsoring Q3 2018 meeting, as per Michael Cadd.

	<p style="text-align: center;">IADC UBO & MPD Committee Meeting MoM</p>	<p style="text-align: center;">3rd Quarter Meeting Sep 19 – 21, 2017 Schlumberger House, London</p>
---	--	---

2019 Committee Meeting Schedule.

Quarter	Date	Location	Sponsor
Q1	TBA	Amsterdam	TBA

09:30 Subcommittee reports

UBD

- UBO Subcommittee review 92U Currently Antonio Torrealba, Dennis Moore and Mike Vander Staak working on this group.
- Main tasks identified include: align doc with 92 series; remove all MPD content; add references to 92M, 92S or 92P as needed.
- Look at new technology structure.
- Flow drilling / single phase UBD will be incorporated in 92U revision.

MPD

- Finished comments on 92S, sent to API (Roland Goodman)
- All docs are in for Ballot (92S, 92P)
- Moved to work on MPD Influx control
- Need to clarify with API well control work group the point that we are focused on Influx control within the primary barrier

Gas in the Riser

- No attendance; looking into testing with LSU

DGD

- Borre Føssli updated the group (on Sep 20):

HSE & Training

- Jacob Petz and George Medley looking at instructor qualification.
- The format and curriculum of the training is ready to be issued to the Committee for review.
- Still need to discuss the instructor qualifications before providing to the committee.

Liaison Reports

- Regulatory report - Earl not in attendance
- Well Control report - parking this item for later in the agenda.
- Certifying Authority report - ABS has resumed progressing the MPD certification draft. Expect to finish in the next 3 months and will publish.

	<p style="text-align: center;">IADC UBO & MPD Committee Meeting MoM</p>	<p style="text-align: center;">3rd Quarter Meeting Sep 19 – 21, 2017 Schlumberger House, London</p>
---	--	---

API Task Group Reports

Roland Goodman:

- API RP92M: Ready for publication any moment. Update on Sep 20: Document just published. Notification sent to committee members.
- API RP 92P: Responses have been received by API but not yet reviewed (A few items missed between reviews and final draft).
- API RP 92S: Responses have been received by API but not yet reviewed.
- 92P & 92S: Might be subject to a recirculation based on nature of comments / feedback (Chris Stewart). Once complete will be sent to editorial review.
- 92P & 92S likely to be published Q1 2018.

API 16RCD:

- Last meeting worked on SALs Service Application Levels.
- No work to be done on this meeting.

August 16th Mike Vander Staak is requesting a liaison between API 16Q and the MPD Committee. This should be revisited in the next committee meeting in Houston (Action).

11:00 **Breakout session**

Whole group to work on Influx Control Addendum.

- Guideline is working on the primary barrier / stay clear of Secondary well control.
- Care not to overlap with what's covered in the 92 series documents.
- Develop a structure for the Addendum
 - Issue sections to volunteers to develop
 - To be recombined for December meeting
- Need to add to document a WHY we would want to perform MPD Influx Control Management

12:00 **Lunch - Sponsored by Schlumberger**

13:00 **Resume meeting**

Continue work on Influx Control Annex

16:00 **Meeting adjourned for the day**

	<p style="text-align: center;">IADC UBO & MPD Committee Meeting MoM</p>	<p style="text-align: center;">3rd Quarter Meeting Sep 19 – 21, 2017 Schlumberger House, London</p>
---	--	---

Day 2 – Wednesday September 20

08:30 Oscar Gabaldon welcomed back the UBO & MPD Committee.

Update about current progress on API RP92U by Antonio Torrealba

- Adding two phase section, (flow drilling)
- Standardize on document structure to align with 92M,S &P
 - Must keep normative registers
- Estimate 2 more meetings to complete work +/- 6 months

DGD Subcommittee report by Børre Fosli:

Needs to update document to align with 92S.

Has had some feedback from operators that the CML section of the document is too complicated.

Discussed Well Barrier Diagrams for CML riser with gas handling system annular / procedure with reference to influx management.

Add nomenclature to Well Barrier diagrams.

09:15 **Resume working session on Influx Control Addendum**

12:00 **Lunch - sponsored by Schlumberger**

13:00 **Resume breakout sessions**

- Main group continue working on Influx Control Annex
- DGD group working separately

16:00 **Meeting adjourned for the day**

Day 3 – Thursday September 21

08:30 Andre Alonso welcomed back the UBO & MPD Committee.

Resume breakout sessions

- Whole group continue working on Influx Control Annex

	IADC UBO & MPD Committee Meeting MoM	3rd Quarter Meeting Sep 19 – 21, 2017 Schlumberger House, London
---	---	--

12:00 Wrap up

Thanked Schlumberger for venue and sponsoring the meeting.

Committee Meeting adjourned

	IADC UBO & MPD Committee Meeting MoM	3rd Quarter Meeting Sep 19 – 21, 2017 Schlumberger House, London
---	---	--

Appendix 1. Attendance List:

Name		Company Name
Roland	Goodman	AMERICAN PETROLEUM INSTITUTE
Oscar	Gabaldon	BLADE ENERGY PARTNERS
Charles	Kamps	M-I SWACO SCHLUMBERGER COMPANY
Andre	Fernandes	PETROBRAS
Roar	Sognnes	PETROLEUM SAFETY AUTHORITY NORWAY
Eigil	Sørensen	PETROLEUM SAFETY AUTHORITY NORWAY
David	Postel	REGIONAL MARINE & ENGINEERING SERVICES PTE LTD
Sara	Shayegi	SHELL EXPLORATION & PRODUCTION
Michael	Cadd	SHELL UPSTREAM INTERNATIONAL
Per	Berg	STATOIL
Antonio	Torrealba	AIR DRILLING ASSOCIATES
Martyn	Parker	PRUITT OPTIMAL
Duff	Sibanda	SCHLUMBERGER
Børre	Fossli	EDR
Gavin	Humphreys	STENA DRILLING