

## IADC Meeting Minutes June 2020

### Introductions

### Safety Moment

- Calvin Holt (human factors, full address of all aspects of preparedness)

### IADC Anti trust

- Leesa also gave update on the Rig Matrix
  - o Matrix was not approved in the first evaluation
  - o There is a request for detailed clarification on the impact to the market
  - o Conference call is to be arranged by IADC Staff to further address the issue, between IADC Board and Committee representative(s)
- IADC Board has a new process to endorse documents from a committee
  - o The new approval form is on the IADC website.
  - o The objective of this process is to ensure that committee projects are in line with the IADC vision.

### Meeting schedule

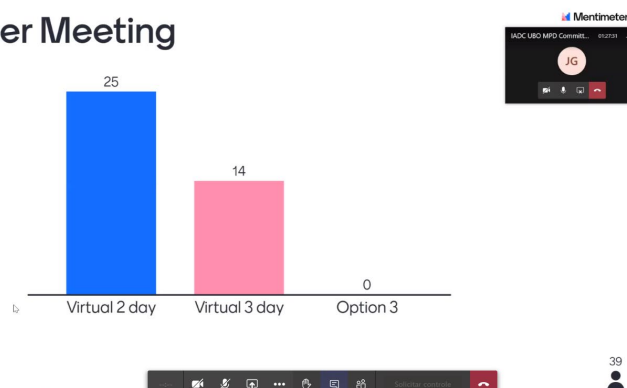
Current Meeting Schedule	Proposed Meeting Schedule 1
September 2020, Meeting in Stavanger, Hosted and Sponsored by Equinor	Early September 2020, Houston, IADC Headquarters [Virtual or F2F or Optional], Sponsor?
October 2020, Denver, Adjoined to MPD Conference, Sponsored by Pruitt	October 27-30th, 2020, Denver, Adjoined to MPD Conference [F2F], Pruitt Sponsor
December 2020, Hosted by IADC, [Seeking new sponsor]	December 2020, Rio, Petrobras Offices [F2F], Petrobras Host, AFG Sponsor
March, 2021 - Houston, Hosted and Sponsored by TOI	March, 2021 - Houston, Hosted and Sponsored by TOI [Dates?]
Q2, 2021 – Houston, [Action for NOV to confirm Host & Sponsor]	Q2, 2021 – Meeting in Stavanger, Hosted & Sponsored by Equinor
Q3, 2021 – MPD Conference in KL, (Sept 14-17) - [Action on Shell to confirm host/sponsor]	Q3, 2021 – Sept 14-17th, MPD Conference in KL, - [Action on Shell to confirm host/sponsor]
Q4, 2021 – IADC Houston [Action on Blade to confirm Host/Sponsor]	Q4, 2021 – Houston, [Action for NOV to confirm Host & Sponsor]
	Q1, 2022 - IADC Houston [Action on Blade to confirm Host/Sponsor]

- Pruitt confirmed that will sponsor the meeting in October
- IADC still closed. If open meeting in September should be held
  - o Even if open, social distancing not possible in the IADC offices with the group average attendance
  - o Suggested to keep for the near future the remote call-in option
  - o Option of having equipment in the meeting room to allow remote capability
  - o How to mingle people remotely and people locally present
  - o Rules of engagement
    - have a meeting administrator
    - everyone locally present having own notebook and headset
    - small virtual meeting task group
- December
  - o Petrobras is fine
  - o AFGlobal confirmed as well
  - o Check in September status of Brazil
- March
  - o Transocean confirmed still good, but will further confirm in October
- Q2 2021
  - o Equinor still to confirm
- Q3 2021
  - o Shell still to confirm after the summer (RVN)
- Q4 2021
  - o Action item on NOV
  - o No answer now. Address later (LC)
- Q1 2022

- Blade is still tentatively confirmed (OG)
- No objections to the proposed agenda.
- **APPROVAL: Proposed Meeting Solution 1 was approved without objection**
- Vote for September meeting? Brian would like further discussion.
  - Gavin believe that travel ban will still be effective to US
  - Vanni agreed with Gavin
  - Brian if the meeting does not go well we will need to address how to make it effective
  - Mentimeter presented
  
- Face to face meeting allows a full day event. Virtual implies in a half day solution. (BP and OG)
- Concerns if there would be action items for three half days:
  - Comments on current working documents
  - Guidance for Equipment selection for land operations (new action item to be approved by IADC)
  - Training (besides the setting up of the accreditation program)

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### September Meeting



### (REVOTED DUE TO CLARIFICATION ON MEETING DURATION)

- **DESIGNATION: Build a task group for meeting (Anthony Garwick -IADC can help to facilitate)**
- Motion to revote (CH). Second by GV.
- Considerations about mentimeter safety
  - Evaluate to use forms

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### September 2020 Meeting Format. This is for 1/2 days each day



- **APPROVAL: Three x ½ day virtual meeting. Optional Face to Face component to be planned if conditions permit.**

## DGD vice chair open position

- Sara Shayegi has become unavailable to remain the Chair of the DGD subcommittee.
- DGD subcommittee election:
- Jonathan Thain – Chair
- Per Christian Stenshorne – Vice Chair.
- Duration for this assignments June 2020 through December 2021
- Motion to approve. Hari second it.
- No one against

## Subcommittees update

- Updates from Subcommittees and Liaisons (8:25-9:25 am)
  - UBO (CJ Bernard, Nadine Osayande Amini)
  - MPD (Sagar Nauduri, Andre Alonso Fernandes)
  - Riser Gas (Hari Hariharan, William Bacon)
  - DGD (Jon Thain, Open Position)
  - HSE / Training Guilherme Vanni, Ernest Okeke)
  - API 16RCD Task Group (Micah Spahn, Joe Karigan)
  - Regulatory Liaison (Konstantin Puskarskij)
  - Well Control Committee Liaison (Paul Sonnemann)
  - Certifying Authority (Harish Patel)
- UBO
  - Last document submitted last year. Working on comments. Sent to Roland for review. Nothing to be brought to the committee. Will circulate as soon there finished
  - Deadline to close comments: By the end of tomorrow might need input from the committee
  - Will make effort to be ready for September ballot
- MPD
  - Working on IME. Comments from subcommittee received. Plan is to discuss tomorrow the resolution and no issues raised get ready to ballot.
  - Sagar and Andre made 1 hour meetings
  - Beginning of the year they had an request for comments (ballot within IADC)
  - As it's an annex does it need go out for ballot
  - Andre believes it needs to go for ballot
  - Feedback from BSEE and PSA
  - API ballot will is recommended.
  - Does it need to go through a 2<sup>nd</sup> ballot within the committee? (S)Already done ballot within IADC.
- Riser Gas
  - Last meeting in December
  - By tomorrow probably will have finalized the document to distribute to larger group
  - Good work been carried out by Oscar, Will, Hari, Konstantin
  - Where will this document live when completed (BP)
    - Deepwater riser gas handling guidelines
    - Will need to address as a formal document to IADC Deepwater well control guidelines. Presented to the board
    - Eventually will need to be part as a MPD API document. (GH)
      - Revision to the 92S could be a possibility (OG), but might lose part of the intended audience.
      - Not uniquely to MPD addresses other modes of operations

- Deepwater operations with MPD and RGH systems. Definition of a RGH system
  - Idea to raise action to formalize to IADC Board.
  - How is the IADC project proposal for the API documents? We already have to do SRRR in API for edition 3.
    - Leesa will take that back to IADC
    - Chris Stewart is the chair of API and very strict guidelines to approval. Ricky Cummings is current committee chair
  - Discussion is a little bit ahead of the game (PS)
- DGD
  - Complete change in DGD group
  - Training has been addressed within DGD group and now needs to be addressed within the training group
  - Probable joint meeting tomorrow
- Well control
  - RMD definition. (PS)
  - Will be covered in the 92M (LM)
- Update from Mike van Der Staak is planned (MV)
  - The IRP document have lot of useful information (NA)
- 16RCD
  - Working on annex G in offline meetings the past two months
  - Next two breakout sessions document will be completed to be submitted to API
- HSE / Training
- Regulatory
  - No update from KP
  - Chris planning to get support for BSEE NTL document (BP)
    - Multiples updates on joint effort to move forward
    - Interested send email to CS.
- Certifying authority

### **Update regarding training (Mark Denkowski)**

- RMD: needs to reflect what IADC is currently doing in US land.
  - Onshore advisory land is requiring definition
  - Is there land DC representation within the group? Very little
    - Unconventional has MPD being done. Not always properly.
    - Group believe MPD is not RMD
    - Some believe it's not MPD and should not be addressed in this group
      - Problem with incorrect setup
      - Problem with unplanned flowing
    - Unconventional are being drilled with RCDs (IADC)
    - UTI Patterson – Cullen Scott to be included on the Group
    - Stan – Oklahoma blowout was because of that
      - Not related to that
    - Nadine was chair in RP 22 document when defined RMD
      - A lot of near misses
      - Just having a RCD on the rig is not a MPD operation
      - Operation already being done and being done unsafely and not MPD
    - There is a shell document being done and can be updated to the group (MvDS)
- Form a workgroup to incorporate MPD general topics in WellSharp
  - MPD committee members and well control committee members designated
- Well Control for unconventional
  - Driller and supervisor course being planned.

- Reconstitute the MPD certification
  - o WEC met beginning of June
  - o Part of the finance is secured (25000 pounds maybe)
  - o Check with Mark later this week
- WellSharp Live online
  - o Simulator for onshore wells did not resemble the land practices
- WellSharp 2.0 WO being set
  - o Coping with new reality of social distancing

### Discussion on background/intentions of Annex G

- Concern that if it is the document it may be a formal requirement to everyone and need to replicate. Are you improving the quality or reliability of the equipment? (BL)
- Informative annex. Upon requirement of group. Set framework to operational testings (JK)
- Not release is a step back due to all work carried out. Release of new and updated policies and with customized capabilities for the end user is desirable (HH)
- Not mandatory. API decided it should be an annex to API-16RCD (GV)
- Not clear on whether complying with Annex G can result in a additional monogram notation or not. Micah is waiting on an API response.
- **DECISION: Keep as planned in SRRR submitted to API**

### Update on land (include Mike document)

- General presentation by Mike
  - o Addressing the land gap on MPD and general operational safety

### IADC Well Classification System for MPD Operations

The purpose of the IADC Well Classification System is to describe the overall risk, application category and fluid system used in underbalanced operations (UBO), managed pressure drilling (MPD) and **returns management drilling (RMD)**.

- Performance enhancement only make sure all points are addressed
- Suggestion to expand to different risks for each category and have minimum specified recommended equipment for each category

Expand on the risk categories, also as with IRP 22 there should be a minimum specified equipment - AT

Mike Vander Staak  
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- Highly related to well control. What they are actually using for.

ED – Highly weighted to well control, there has to be discussion around what it is being used for. IE offset fracs nearby wellbore interference build versus water, etc, there is a time that there are people required as well. Reference pure drilling issues as well including when and where some supervision is required?

- Initially idea was to tie to 92u and check minimum requirements for specific well.
- Definition of closed loop system

Definition of closed loop – is that the minimum inclusive of only an RCD and a choke? GH

Mike Vander Staak  
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- Risk levels and application category should be treated separately. We already have define categories, in particularly A for MPD. This category is the one that should be expanded

Expand on Cat A recommend min equipment AT

Mike Vander Staak  
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- When will open to wider group? Will check with other members in the core group
- I see this being handled by the MPD Subcommittee. IME discussing is almost concluded, and from a risk and application approach this is related with the work being done
- PS

PS - define operations that can be acceptable based on equipment that is already available. A simple use may be to identify with the equipment you have what can you do with it with the appropriate authority? Who would be responsible for this MV?

Mike Vander Staak  
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- Oklahoma incident has RCD but weren't using it when they had their issue
  - o In fact the RCD was being used during the first half of the trip using the 'Calculated Fill Method' (CFM), I believe that operation was a significant contributing factor (caused large gas influx to gather, mostly in the lateral, but helping power the unloading event (when the RCD was not in place) A special trip method was needed, but the CFM was not it.
- MPD embraces a wide spectrum of variants, and in particular SBP MPD has its owns different levels/relationships between applications/automation/equipment etc... All this under the existing and accepted definition of MPD.
- Categorization Matrix is not being used as intended
  - o 99% of MPD work today is 5-A-5 and that eliminates the meaning of the categorization matrix.
  - o Need to give more colors to 5-A-5.
- **DECISION: Open invite to general committee in the next two or three weeks. In conjunction with that, Mike/Brian to check with Leesa on approval process for this project.**

## API RP 79

- Will be extended to include MPD and UBD Tripping procedures as well.
- Owned by a task group under the CSB.
- API RP 79 rather than specifying RP for tripping operations in conventional, MPD, or UBD, it is being approach for hydrostatically overbalanced and hydrostatically underbalanced operations. (AT)

## General

- OTC rig ownership of MPD equipment event/panel
- Call for papers until September