

Macaé, April 07<sup>th</sup> 2015

**MINUTES OF IADC-BRAZIL OPERATIONAL TECHNICAL COMMITTEE MEETING  
HELD ON APRIL 07<sup>th</sup> 2015 10:00 a.m. TO 12:20 p.m. AT TRANSOCEAN'S OFFICE IN MACAE  
AND VIDEO CONFERENCE WITH SEADRILL'S OFFICE IN RIO DE JANEIRO.**

**Present at this meeting were the following:**

- Bruno Manfredini - Transocean (Macaé)
- John Guy – IADC-BRAZIL (Macaé)
- André Madaleno – QGOG (Macaé)
- Thaísa Aleixo – IADC-BRAZIL (Macaé)
- Pedro Mathias – Odebrecht (Macaé)
- Mauricio Aguiar - Seadrill (Rio)
- Barrie Lloyd-Jones–SSE do BRASIL (Macaé)

**The agenda for this meeting was displayed on the screen. The focus was to review the Operational Technical Committee Goals set for 2015. The topics of discussion were as follows:**

- Review Goals set for 2015
- Managed Pressure Drilling - Procedures
- Standard Equipment List for ANP - Propose
- Well Control Equipment - Reliability
- After Action Review from last meetings' presentations
- Discuss Technical Presentations for the upcoming IADC meetings
- Discuss Participation on the DNV-GL Seminar
- Define new Tech Ops Committee Leader
- Corporate Committees - Status
- Update on Platform Operations Workshop – IADC and SPE
- Schedule the Committees' next meeting
- Open Forum
- Close out

**The following items were agreed upon**

- Mauricio Aguiar will attend MPD conference in Dubai and get information to align with everything else used in Brazil and set up what are the deliverables for 2015. Also will review procedures with Petrobras, Seadrill and IADC international to make sure of not having conflicts in between them.
- Petrobras will set up a meeting and give their perceptions about MPD as well as best procedures being dismissive of over complicated things.
- General Meetings presentations to be more dynamic being a two-way discussion put more practicality and have more interaction with participants. The presentations will be decided a month prior the event to give enough time to set them up.



• The 3 presentations for the General Meeting on May 28<sup>th</sup> in Rio de Janeiro were agreed by the Committee and are waiting on Marcio Martin's approval, they are as follows:

1. Dropped Objects Prevention Programm – OES
2. Condensed Aerosol Fire Suppression System - REM
3. Nationalization of OEM elastomers – Luciane Vedações

### **The following items were discussed yet they remain open**

- Teleconference will possibly be available for people that cannot attend the meeting. It is awaiting Skype tests and if it works fine, a note will be add on the announcement saying that Skype will be available if requested in advance.
- More discussion needed to find a solution for minimizing drilling contractor's downtime once more time and allowance for maintenance is necessary.
- In regards to future GM's presentations the following topics were discussed
  1. Real time Monitoring – Petrolink is a new topic for GM presentation and will possibly be included on the GM in June.
  2. Check-6 wants to include a presentation in a future GM.
  3. Operational Integrity – Drilling Contractor is awaiting Tony's approval to be included on the list of future presentations.
  4. Fiscal Technical presentation - Petrobras. Mauricio will talk with them and maybe have them participate in a GM before presenting.
  5. Consider bringing some other operators to do presentations and not only the vendors.
  6. HSE and Compliance Committees should contribute with topics for GMs. Moreover, the committees should communicate more to know what each other is doing.
- IADC is requested to present about UBO & MPD during the DNV-GL MPD seminar in Rio de Janeiro on May 13<sup>th</sup>.
- Tech/Ops Committee needs a new Leader to replace Bruno M. now that he is the new Vice Chairman. Bruno has suggested a few names and more names can be add. The nomination should come up by April 10<sup>th</sup>.
- Platform Operations Workshop now postponed until 2016. Guilherme from SPE is willing to join with IADC, awaiting for Tony to make it more formal.

### **Next Meeting**

The next meeting for the Operational/Technical committee was agreed to be held on May 05<sup>th</sup> at 10:00am. The meeting will be at Transocean's office with video link to Seadrill's Rio office.