



Macaé, February 11th 2016

MINUTES OF IADC-BRAZIL EXECUTIVE COMMITTEE MEETING HELD ON FEBRUARY 11th 2016 3:00pm TO 5:00pm AT TRANSOCEAN'S OFFICE IN MACAE

Present at this meeting were the following

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| - Barrie Lloyd-Jones – SSE do Brasil | - Carlos Alberto Magalhães– QGOG |
| - John Guy – JSH Drilling Tools | - Leandro Lima – Pinheiro Lima E Sargioro |
| - Bruno Manfredini – Transocean | - Leandro Duarte - QGOG |
| - Thaísa Aleixo – IADC-BRAZIL | |
| - Roberto Paschoalini – IADC | |

The topics of discussion for this meeting were as follows:

- 2016 Debit Notes
- 2016 IADC International Deepwater Drilling Conference & Exhibition, 15-16 March, Sofitel Hotel, Rio de Janeiro
- IADC Technical/Operational and HSE committees
- IMCA
- ABESPetro
- IBP
- Topics for General Meeting Presentations.

The following items were agreed upon

- IMCA will have their next meeting on March 9th. It is suggested for all IADC officers to attend this meeting as IMCA will respond to Petrobras's proposed changes to the DP positioning Degraded status. Paschoalin is to send the formal IMCA document to IADC participants from the last meeting.
- IADC corporate had decided that IADC and ABESPetro should have a partnership considering ABESPetro's leverage in Brazil. A memorandum of understanding (MOU) between IADC-Brazil and ABESPetro will be sent by Paschoalin to clearly define the technical importance of this relationship. Under this partnership, it has been proposed that IADC will have a chair on the ABESPetro executive committee and ABESPetro will have a chair on the IADC Executive committee.
- IADC – Brazil has a chair on the FIRJAN committee and IADC – Brazil will inquire with FIRJAN if they have desire to have a chair on the IADC Executive committee. Also, IADC helped FIRJAN with their courses in 2015 and will be available to assist again in 2016. FIRJAN's courses are pending approval from IADC corporate for certification.



- The IADC Corporate had started discuss IBP to have a similar MOU to define their partnership. In case the MOU came to be discussed in future , it will be submitted to IADC Chapter for comments before to be signed.
- IADC should be more involved with ANP going forward as drilling contractors feel there is a disconnect between ANP and them. Furthermore, IADC should put forward a proposal on Human Factor Management system to ANP.
- It was suggested to always have IADC Brazil Technical committees on the same date as RAC meetings at Petrobras to lessen the travel burden for Rio based members.
- It was suggested that all Drilling Contractors have representatives at the Technical Committee meetings. Also, The technical committee should increase their sharing of common issues faced while drilling in Brazil. Barrie and Bruno will visit Drilling Contractors to stress the importance of their participation.
- Petrobras has contacted IADC – Brazil to provide a list of essential and critical equipment to be on board to bring to ANP. IADC-Brazil has already plans to develop of critical equipment list this year. Petrobras wants to participate in this technical committee. Bruno is the focal point for well control equipment, and the technical committee will look into a focal point for the MPD equipment list. Petrobras asked to be involved in MPD well Control discussion, because today this issue has not been discussed at IADC Houston Committes. Bruno informed that PEtrobras has a procedure that would be discussed between PEtrobras and IADC Drilling Contractors in Brazil and after, it would be sent to IADC Houston.
- IADC-Brazil will discuss Riser Gas Handling with Petrobras to look into the possibility of making this a standard in Brazil. It is part of MPD well control procedure.
- The HSE committee with have their meeting on February 17th, closing up their Drops guideline from 2015 and determine a new topic of focus for 2016.
- The Executive committee will review the status of membership payments for 2016 at the end of February and discuss membership advantages and ways to incentivize.
- The following presentation topics for the March General Meeting were suggested; Drones, Porto do Açú, and GE & Diamond Partnership for Subsea maintenance. Thaisa is to contact Jason to see the status of presentation. After this the announcement will be sent for the GM to encourage participation.
- Paschoalin will contact the responsible person for the IADC Deepwater Drilling Conference to inquire about the possibility of offering a discount for IADC-Brazil members. Thaisa will send out an announcement.



- It was suggested that IADC-Brazil review its process of choosing charities. The committee should focus of developing people.
- John is to speak to Schahin and QGOG about the possibility of students from the student committee to visit their rigs.

Next Meeting

The next meeting for the Executive committee will be held at Transocean on March 22nd, at 5 p.m.