

Macaé, August 17th 2016

**MINUTES OF THE IADC-BRAZIL CRITICAL EQUIPMENT SUBCOMMITTEE MEETING
HELD ON AUGUST 17th, 2016 FROM 2:00 p.m. TO 4:00 p.m. AT TRANSOCEAN'S OFFICE IN
MACAÉ.**

Present at this meeting were the following

- Marcos Sampaio – OOG
- Thaísa Aleixo – IADC-BRAZIL
- John Guy – IADC-Brazil
- Cid Costa - OOG
- Colin Shanks – Ventura
- Augusto Kobori – Ventura
- Paulo Sérgio G. Pinto – Petrobras
- Thiago Amato – GGOG
- José Eugênio Campos - OOG

The agenda for this meeting was to discuss a minimum list of critical equipment for all the DC. The topics of discussion were as follows:

- Critical Equipment List – Review

The following items were agreed upon

- Petrobras had put the critical equipment list available. This list was used by the companies as a base to make their own list for comparison.
- It was agreed by the attendees that “access basket” should be on the critical equipment list.
- The companies will revise the criteria to classify the severity of following equipment:
 - Gantry Crane
 - Pipe Racking Systems
 - Travelling Block
 - Crow block
- The companies will evaluate the definition of equipment / sub equipment / system (using ISO 14224 as reference) to define if the bellow equipment would be applicable to the list:
 - Complete electromagnetic brake
 - Fire Detectors
 - Gas Detectors
 - Whole Fire Fighting Pump
 - Foam system for fighting fire from the Helideck
 - Pipes fire fighting
 - Fire Hydrants
- QGOG will provide contact for a company that is working on definitions for Drilling equipment definition using ISO 14224 as reference to have an approach with IADC and get this information available to the Drilling Contractors.
- The discussion and revision of the critical equipment list will continue on the next meeting.



Next Meeting

The next meeting for the Critical Equipment subcommittee will be held at Transocean on August 23rd at 2pm.