



WCI Board of Directors Conference Call

7 am (CDT), Wednesday, 21 March 2018

Participants:

Albert Skiba, IOGP
Carey Lowe for Steve Brady, Ensco
Charlie Holt, BP
Chuck Chauviere, Baker Hughes, a GE company
Cindy Taff, Shell
David Payne, Chevron
Ed Kautz, Ensign Energy Services
Gene Stahl, Precision Drilling
Jason McFarland, IADC
Jean-Francois Poupeau, Schlumberger
Joe Rovig, NOV
Leesa Teel, IADC
Leif Nelson, Seadrill
Luc Fambon, Total
Lyndol Dew, WCI Chairman
Margaret Laney for Andy Krieger, BP
Mike Holcomb, Patterson-UTI
Richard Lynch, Hess
Simon Drew, KCA Deutag
Steve Kropla, IADC
Thom Roller, Apache
Tom Burke, Rowan Companies

1. Introductions, Antitrust Statement and Chairman's Remarks

Lyndol Dew delivered welcoming remarks and conducted roll call. He noted the meeting was subject to the IADC Antitrust Guidelines and Policy. Mr. Dew welcomed the new members of the WCI Board – Thom Roller, Mike Holcomb and Tom Burke.

2. Review of Revised Competency Whitepaper Draft

Mr. Holt provided an overview of the development of the white paper and the workgroup. He noted the whitepaper presentation made at the November meeting and the issues that surfaced as a result of the presentation. He noted the 30-day comment period provided afterwards and thanked the Board for the feedback they provided in that time. The comments received are reflected in the revised draft provided in the pre-read materials. He noted the document represented a softening or elimination of two contentious items that were required to gain consensus. These involved adding subsurface instruction to training levels 3 & 4 (Driller and Supervisor, respectively), as well as including simulation training at the well site via a laptop or a smaller simulator. The primary issues with these items were how to fit additional training into existing course structures without compromising essential instruction, and cost considerations.

He noted some companies are already doing some type of additional downhole and simulation training, but it was agreed WCI would take no position on these items. Mr. Holt reported on the document highlights and referred to page 3 of the document.

- Position 1 – Mr. Holt noted this is basically a statement with reference to IOGP Report 476. The paper notes a continuation of this activity recognizing IOGP 476 as the foundation for industry well control.
- Position 2 – Serves to endorse enhancing education and training between the two year cycles to prevent loss of retention. Mr. Holt noted WCI would look to IADC and IWCF to take a leadership role in developing e-learning tools. He noted when training levels 3 & 4 are revised, downhole risk training in e-learning will be recommended for inclusion.
- Position 3 – Mr. Holt noted the focus here is the emphasis on having the right training for the position. He notes industry leaders should collaborate and review contracts. The Board discussed training differences for levels 3 & 4, citing differences in syllabuses and materials. The position was included partly based on a review of the WellSharp data set. Mr. Holcomb cautioned looking at the data set and suggested there could be some discrepancies, for instance some drillers may take the level 4 training prior to being promoted to the next position. For the data set, those job titles are still listed as driller.
- Position 4 – Encourages development of training courses that include human factors aspects to further mitigate risk.
- Position 5 – Support for broader training in the fundamental downhole risks and well design and the development of level 5 training by IADC and IWCF. The importance of level 3 training and the focus remaining on operating equipment was noted. The Board agreed a hard line should be drawn on level 3 training. Mr. Drew suggested case studies be used for wider learning. Mr. Payne agreed there is an opportunity for industry trades to use technology to allow more people to participate in building content and move at a quicker pace – crowd sourcing. The Board agreed its priority was to get the whitepaper out to industry, and Mr. Dew suggested this could be a future activity for WCI. He stated a discussion of the use of technology would be slated for the June meeting.
- Position 6 – Support for collaboration between IADC and IWCF. Mr. Holt referenced pages 8 & 9 in the pre-read that summarizes the organizations' activities.

Mr. Dew asked the Board members to accept the whitepaper for industry distribution. The Board accepted the whitepaper without objection. He noted any typos or grammatical errors could be sent to Mr. Kropla for correction. Mr. Lynch suggested adding a chart identifying which positions should attend training levels 1-5 for reference. Mr. Dew suggested IADC and IWCF be included on the next meeting agenda to provide an update on their activities, along with a timeline for ongoing work.

Mr. Dew thanked Mr. Holt and the work group for their excellent work and noted the group would now stand down. The work group could be reconvened at a future time if needed.

3. Suggestions for Next Meeting Agenda

Mr. Dew noted a presentation from Total would be added to the agenda. Mr. Fambon confirmed Eric Daflon will make the Total presentation in June. Another presentation is currently being considered for the November, and Mr. Dew welcomed ideas for other

presentations. Ms. Laney noted Mr. Krieger's had suggested a presentation on a collaborative project involving BP, Seadrill and Maersk to develop and implement a diverter and emergency disconnect sequence criteria for deepwater drilling operations. Mr. Dew agreed to include this on the agenda. Mr. Dew held a roll call to assess attendance at the June meeting.

4. Date & Venue of Next Full Board Meeting – Monday, 18th June, 18:00-20:00 (CEST), Bella Center, Copenhagen

5. Date and Venue of the Following Meeting – Tuesday, 6th November, 09:00-12:00 (CST), Ritz-Carlton Hotel, New Orleans

Mr. Kropla noted a conference call will be scheduled for the Board between the June and November meetings. This will likely take place September.

6. Any Other Business/Adjournment

With no other business before the Board, the meeting was adjourned by Mr. Dew. Mr. Dew thanked the Board for their participation.