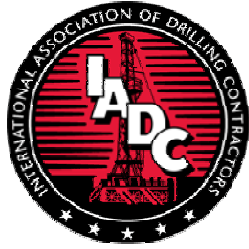


INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS



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IADC ART Reliability & Guidelines Subcommittee Meeting
IADC Advanced Rig Technology Committee
8:30 am, Wednesday, 14 October 2009
IADC - Houston, TX

Attending:

Randy Pynch, Canrig Drilling Technology
Brian Ellis, Canrig Drilling Technology
Mike Killalea, IADC
David Reid, National Oilwell Varco
Andy Shelton, National Oilwell Varco
Ross Currens, National Oilwell Varco
Fran Kennedy-Ellis, PETEX
Michelle Wernert, PETEX
Robert Urbanowski, Precision Drilling Oilfield Services Corp.
Logan Puckett, Pride International

Minutes:

1. Robert Urbanowski (Chairing the meeting for Logan Puckett) welcomed the group.
2. The IADC's *Antitrust Guidelines* were discussed. Copies were distributed to those who were unfamiliar with them.
3. The addition of definitions and photos to the "*IADC Technology Value Guide*" matrix was discussed. Fran Kennedy-Ellis mentioned emailing a list of missing definitions to Mike Killalea and David Reid. Fran was going to resend this list and David Reid was going to try and draft definitions by the end of Oct-2009. Goal will be to review these at our next meeting, and have ready to publish in Mid December 2009.
4. The top drive reliability survey was discussed. This survey was being input using "SurveyMonkey". There are a couple of workdays left to have this effort completed. The survey would require input of contact information to be used as a follow-up tool. The IADC would issue a single password and website to single contacts at each Drilling Contractor. The first part of the survey would ask which company an individual was with and indicate who to contact in IADC to get added to the list. Once the survey is ready, the workgroup would get to troubleshoot the system out to identify any errors.
5. A list of Drilling Contractors and Top Drive rental companies was compiled, as a mechanism to start requesting proper company contact for the top drive reliability survey. Mike Killalea, David Reid and Robert Urbanowski would work on getting this list prepared so roll-out of the survey when ready would be quickened.
6. The next work items were discussed:

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- A) PLC type Pipe Handling Systems Reliability Survey,
- B) Pressure Control Systems (MUX / BOPs) Reliability Survey, and
- C) Controls Reliability Survey.

Andy Shelton had volunteered to start identifying pipe handling manufacturers and pipe handling models. It was discussed that the "*IADC Technology Value Guide*" matrix would help identify systems and definitions.

- 7. It was decided the next meeting would be 11-Nov-2009 at 8:30 AM CST at the IADC office in Houston, Texas.
- 8. The meeting was adjourned.