

INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS



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IADC ART Future Technology Subcommittee Meeting
IADC Advanced Rig Technology Committee
8:30 a.m., 7 April 2009
IADC – Houston, TX

ATTENDEES:

Chris Goetz, Athens Group
Beat Kuttel, Canrig Drilling Technology Ltd.
Jeff Swain, Chevron
Keith Womer, Chevron
Allen Prescott, DNV IT Global Systems
Mike Killalea, IADC
Veronica Bohorquez, National Oilwell Varco
Bill Schraer, National Oilwell Varco
Frank Springett, National Oilwell Varco
Andy Shelton, National Oilwell Varco
Hugo Valdez, ODS International
Wayne Mason, Precision Drilling Oilfield Services Corporation
Karl Faller, TI Data
Rolf Gullaksen, TTS Sense

MINUTES:

Survey

The survey was discussed. Some clarification on the general questions was made as follows. The technology identification remains the same but the request changed.

- ➔ Select one item that currently performs well and needs the least development.
- ➔ Select three items that most need development.

Andy Shelton will finish updating the survey according to the comments made above and will send it out to the group by the close of business Tuesday, April 7, 2009. It is requested that all comments be returned by close of business Wednesday, April 8, 2009.

A key to proper implementation of a survey is to determine how to get people to take the survey and pass it on to those that would be beneficial to taking the survey. We determined the following routes.

1. Link in *eNews from drilling contractor.org*
2. Send it to specific individuals. A standard letter was drafted and is below.
 - 2.1. Types of people to send it to

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- 2.1.1. Operators – Jeff Swain to send email within Chevron
 - Drilling Engineering Managers
 - Performance Improvement Groups
- 2.1.2. Drilling Contractors
 - Technical Services Groups – The following people are going to try to contact the following companies to advertise the survey.
 - Wayne – Precision
 - Frank – Transocean, Diamond, H&P (Alan Ore), Seadrill, Parker
 - Logan Pucket – Pride
 - Hugo Valdez – Hercules, Atwood, Ensco, PEMEX, Petrobras
 - Ops guys may not want to do the survey as they are too busy
- 2.1.3. Technical Service Companies (Weatherford, Schlumberger, Halliburton, etc.)
 - Mike K, Chris G. and Frank S. to contact several people in the service companies to see who we can send the survey to.

Cover letter format:

Hello _____,

I am on IADC's Future Technology Subcommittee, which has developed a survey to try to align future technology needs and directions across a broad range of areas.

We recognize your expertise in the industry and willingness to share it with others. We appreciate in advance your contribution to this important project. Please share with your colleagues having expertise in these areas.

If you would, please take a look at this 10-minute survey. There are eight sections to the survey, each representing a distinct technical area. (See list at end.)

Survey results will be published on the Future Technology Subcommittee website and in *Drilling Contractor Magazine*.

This is your opportunity to help steer the technology of the future.

Best Regards,

List of technical areas survey:

- Down hole
- Rig Floor
- Pressure Control
- Casing & Completions
- Cementing
- Cranes & Handling
- Rig Support Systems
- Manpower Survey
- HS&E
- Demographics

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Way forward for ART Future Technology – We discussed, while we are waiting for responses to the survey information, there is an opportunity to work together with SPE DSATS (Drilling Systems Automation Technical Section) group to help with closing the loop on drilling automation. The topic of the next meeting will discuss this.

Next Meeting: After the ART main meeting (approximately 3:00pm) on May 6, 2009.