

INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS



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IADC ART Drilling Control Systems Subcommittee Meeting
IADC Advanced Rig Technology Committee
8:30 am, Wednesday, 12 August 2009
IADC Headquarters, Houston, TX

Attending:

Bill O'Grady, Athens Group
Chris Goetz, Athens Group
Zain Master, Caterpillar
Allen Prescott, Det Norske Veritas
Mike Killalea, IADC
Matt Mostad, Measurement Northwest Technology
David Reid, National Oilwell Varco
Veronica Bohorquez, National Oilwell Varco
Andy Shelton, National Oilwell Varco
Terry Loftis, Transocean

Minutes:

1. Control Motions & Software Interface Subcommittee Chairman, Terry Loftis opened the meeting and welcomed the participants.
2. The IADC Antitrust Policy was distributed and displayed via webcast by Mike Killalea, IADC. The policy may be viewed on the IADC website at <http://iadc.org/antitrust/>.
3. Stephanie Murphy provided insight on the upcoming ART Conference, September 29th at the Houston - Omni Hotel. A 'dry run' will be conducted in the week preceding the conference; details are forthcoming.
4. It was suggested and agreed that a 'new', shorter name for our subcommittee was in order. Suggestions were solicited and requested to be submitted to the subcommittee at large via email.
5. Copy of the draft, combined 'Mission Statement', prepared by John Hoeflich and distributed within the agenda, was reviewed collectively and accepted as presented:

"Provide information and guidelines to improve safety and reliability of the interfaces between human and machine, and between multiple control systems installed on offshore and onshore drilling facilities."

6. Copy of the draft, combined 'Objectives', prepared by John Hoeflich and distributed within the agenda, was reviewed collectively and accepted with edits as follows:

"To eliminate the risk associated with variations in Human Machine Interface for critical drilling controls."

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“To provide a preferred method for integrating tools in a rig system with minimal impact to operations and a focused zero safety impact.”

7. Copy of the draft, combined ‘Goals’, prepared by John Hoeflich and distributed within the agenda, was reviewed collectively, modified to reflect **“Current Goals”** and accepted with edits as follows:

Control Motions –

- (Phase One)** *Develop a critical safety interface list for a driller.*
- (Phase Two)** *Gather data for each supplier against current field populations.*
- (Phase Three)** *Based on findings propose and publish an industry guideline for future safety critical applications.*

Software Interface –

- (Phase One)** *Identify and document the current supplier’s methods of integrating and communicating on rigs.*
- (Phase Two)** *Develop a Matrix of issues and challenges Drillers are facing.*
- (Phase Three)** *Publish guidelines to the industry advising on methods that have proven successful for integrating and communicating between systems.*

8. Copy of the current Control Motions Analysis, recently updated by Terry Loftis was displayed via webcast and discussed. Clarification is still needed on the column labeled “Standard Device.” Its intent will be reviewed with David Cardellini and Svein Ove Aanesland and be renamed to something more intuitively descriptive. Andy Shelton was designated to retain the ‘working copy’ moving forward and a copy of Loftis’ files were transferred. Several equipment vendors have not yet responded; Loftis and Shelton will pursue their input for the next two weeks, copying Mike Killalea on such correspondence. Vendors that do not complete the survey (~August 26th) will be removed from the document prior to publication. Mike Killalea will work with IADC legal department to incorporate appropriate clarifying statements.
9. Copies of the Rig Communications Protocol List, recently updated by Terry Loftis was displayed via webcast and discussed. Andy Shelton was designated to retain the ‘working copy’ moving forward and a copy of Loftis’ files were transferred. Zain Master is seeking clarification as to why multiple Ethernet layers are depicted for the same Protocol and will advise Shelton. Information from several additional vendors has been added, but many are still missing. The document will be circulated by Loftis and Shelton after two weeks (~August 26th) to the vendors for input and final confirmation. Vendors that have not completed the survey will be removed from the published document.
10. The Invitation Letter to recruit new subcommittee members was discussed with respect to its originally intended purpose. A list of ART committee members representing drilling contractors, operators and equipment vendors had been distributed by Andy Shelton, but Mike Killalea explained this was the full IADC roster. David Reid clarified that the intent of the “Invitation Letter” was to identify and solicit IADC committee participation from key individuals within the various Contract Drilling Companies.
11. Discussion of new subcommittee goals, such as Interface conflicts between Vessel Management, Power Management and Drilling Control Systems, will be deferred until after the Sept. 29th Conference.
12. The next subcommittee meeting is scheduled for **Wednesday, September 9th, at 8:30 am** at IADC headquarters, located at 10370 Richmond Ave, Suite 760, Houston, TX 77042 USA.
Register for the meeting at http://www.iadc.org/committees/advanced_rig_technology/meetings.htm
13. There being no further business, the meeting was adjourned.