

International Association of Drilling Contractors



**Drilling Controls Systems Subcommittee
IADC Advanced Rig Technology Committee
09.00-11.00 Thursday, 14 February 2019
IADC Headquarters, Crown 1 Conference Room
3657 Briarpark, Ste 200
Houston, TX 77042**

Attendees

Ben Parker, DNV-GL (call-in)

David Shackleton, IDS

Ernesto Espinoza, MHWirth

Gabriel Felipe, Petrobras (call-in)

Kevin Lacy, PRTS

Megan Essig, NOV

Nathan Moralez, BP (call-in)

Rob Shank, Parker Drilling

Robert van Kuilenburg, Noble

Roger Marin, Halliburton

Walker Hubbard, Pason (call-in)

Mike Killalea, IADC

Linda Hsieh, IADC

Minutes

ART Chair Robin Macmillan opened the meeting and welcomed the attendees, and Linda Hsieh, IADC, gave an overview of the [IADC antitrust policy](#) and the facility.

Mike Killalea then reviewed the ongoing roll-out of the DDR Plus, which included:

- Announcement by IADC President Jason McFarland at February HSE Conference, where flyers on DDR Plus were also handed out;
- Dedicated [DDR Plus website](#) has been set up;
- A video has been created introducing DDR Plus, which will be played at various upcoming IADC conferences;
- An article will be published in March/April issue of Drilling Contractor magazine;
- Updates will be provided in the IADC Drill Bits e-newsletter;
- An abstract for a presentation/paper on DDR Plus has been submitted to the 2019 SPE ATCE;
- Direct mail is being worked on, to be sent to sustaining members of IADC contractor members, and to all current customers of print and electric tour sheets;
- Additional announcements about DDR Plus are planned for Drilling Conference (March), Deepwater Drilling Conference (March), MPD Conference (April), Drilling Onshore Conference (May), World Drilling (June) and ART Conference (October);
- Paper is being planned for 2020 Drilling Conference.

David Shackleton, IDS, reviewed a proposed questionnaire to be sent out to IADC members on their willingness to participate in an IADC Community database, which would be enabled by the electronic data collected by the DDR Plus. The database would provide anonymized and consolidated data so companies can compare their

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own data with industry averages. It would be up to IADC what data would be brought over from DDR Plus into the Community database and what analytics could be displayed using that data. The proposed questionnaire should be approved by the IADC Drilling Services Advisory Panel first. David Shackleton noted that if all IADC members bought into the database, it could be done for less than \$1 per rig per day.

Robin Macmillan then updated the group on work that the ART Committee is undertaking on data stewardship. The effort grew out of a discussion between operators and drilling contractors on data ownership and quality. It's been since decided that data quality is an issue that should be addressed separately, while data ownership is a contractual issue that is not part of the ART Committee's scope. Mr Macmillan continues to engage various operators and drilling contractors in conversations about the topic to search for a consensus.

Next item on the agenda was the Drilling Rig Control Systems Minimum Safety Features guideline, which is a work in progress. One volunteer who had been working on the emergency stops section has dropped out, so another volunteer is needed to take that up.

DCS SC Chair Nathan Moralez, BP, noted that Transocean recently shared with the group some work that had been done previously reviewing internationally recognized machine safety standards and identifying where certain clauses could be drawn and applied to rig systems. The DCS working group will draw from this previous work.

The working group also hopes to take an approach to this guideline similar to the way the Cybersecurity group developed its guidelines.

It was discussed whether to publicize this effort more widely in the industry in order to recruit more volunteers. ART Vice Chair Robert van Kuilenburg, Noble, noted that this will be a large undertaking, and expectations must be managed. He suggested that the group engage more closely with software manufacturers so they can contribute to this work, or at least know the guidelines are being developed.

Next on the agenda was Rig Sensor Stewardship. Mr. Moralez suggested that the DCS approach this project by looking at safety-critical equipment or processes (like well control), identify all instruments associated with that and who typically owns those sensors, then recommend ways to maintain those sensors. It was agreed that well control is an appropriate "Phase One" kick-off point for this project, as this is an area where IADC has traditionally taken on a lot of responsibility.

The next DCS SC meeting will be the morning of 14 March, at IADC HQ, [3657 Briarpark Drive, Suite 200, Houston, TX 77042](#).

There being no other business, the meeting was adjourned.