

# International Association of Drilling Contractors



**IADC Advanced Rig Technology (ART) Committee  
Meeting Minutes  
09.00-11.00 Tuesday, 5 February 2019  
Venue: IADC Headquarters, Crown 1  
3657 Briarpark Dr Suite 200  
Houston, TX 77042**

## **In Attendance:**

Assaad Mohanna, NOV  
Brennan Domec, Frank's International  
Christopher Goetz, Kingston Systems  
Dan Gudall, MHWirth  
David Shackleton, IDS  
Jeremy Angelle, Frank's International  
Lee Womble, Cameron, a Schlumberger  
company  
Mark Carrier, Real-Time Innovations  
Megan Essig, NOV  
Mitch Eichler, Parker Hannifin

Nathan Moralez, BP  
Neil Funwie, BSEE  
Paul Walters, ABS  
Rob Shank, Parker Drilling  
Robert van Kuilenburg, Noble Drilling  
Robin Macmillan, National Oilwell Varco  
Rolf Gullaksen, Cameron, a Schlumberger  
company  
Sarah Elizabeth Kern, Helmerich & Payne  
Stephen Barnett, Ingersoll Rand  
Walker Hubbard, Pason Systems USA  
Linda Hsieh, IADC

The IADC Advanced Rig Technology (ART) Committee convened a meeting on 5 February at IADC's Houston HQ.

Robin Macmillan, IADC ART Chairman, welcomed the participants, and Linda Hsieh reviewed the IADC anti-trust policy.

## **BOP Controls Subcommittee update**

Mitch Eichler, Subcommittee Co-Chair, said the group has been working on valve quality recommendations since 2016. The first version, covering shuttle valves and SPM/directional control valves, was released about a year ago. Over the past year, the group has been working on adding new chapters on regulator and relief valves. This new version is out for review with the subcommittee.

The group is now trying to determine if it should look at other BOP controls-related technologies and asked the ART Committee for guidance. It was suggested that the ART Committee should help the BOP Controls SC to determine what are the top priority issues in BOP controls by asking major manufacturers. Rapid S-53 database could also be used to determine way forward. Mr Macmillan suggested maybe the group should relaunch the effort on an HMI workgroup, which was attempted a few years ago but never took off.

## **Drilling Control Systems Subcommittee**

Nathan Moralez, BP and DCS SC Chair, provided updates on the group's 3 ongoing projects:

- DDR Plus is now getting ready for deployment after about a year of work. A dedicated DDR Plus website has been created that provides access to the codeset, definitions of the 34 main codes, an FAQ, and sample XML files. Comments about the DDR Plus can also be submitted via this website. It was

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suggested that a meeting be planned for 2020 to review incoming comments about the DDR Plus and consider potential revisions.

- Rig Sensor Stewardship guidelines are being considered on how to maintain sensors. This would be separate from the Independent Verification and Validation JIP, which has not secured any sponsors.
- Minimum Safety Guideline for Control Systems includes interlocks, anti-collision, etc. Working group has been kicked off to work on various sections of the guideline. Group hopes to have a working document within a few months that can be sent out to the industry for review. Additional volunteers are still needed.

## **Spark Tanks**

These events continue to be popular, but more abstract submissions are needed. ART Committee members were asked to help get the word out about the event. Main benefit for speakers at these events is the opportunity to get feedback on their idea/product's technical ability and as a value proposition. They also get the chance to get their idea/product in from of large equipment suppliers, drilling contractors and operators.

## **ART Conference and remaining 2019 ART meetings**

- The May ART meeting, to be held in conjunction with OTC, will be similar to last year's, where speakers were invited to demonstrate new technologies.
- Mr Macmillan noted that the paper selection meeting for the 2019 ART Conference will be held in early March. ART Committee members were asking to help get the word out about the conference via LinkedIn or other platforms. Suggestions for keynotes/panels are also welcome.
- The October ART meeting, to be held in conjunction with the ART Conference, will take advantage of the Europe location to involve more Europe-based professionals. Lee Womble also suggested that in 2021, IADC should consider holding the conference in the Middle East, Asia or Latin America to draw a different crowd. Particularly in terms of drilling activity and technical innovations, a lot of that is taking place now in the Middle East.

## **Data quality/ownership**

An operator-based group within IADC, as well as some IADC drilling contractor members, have asked the ART Committee to look into the issue of data quality/ownership, which is being debated by both operators and contractors on whether it's an issue that the industry needs to address collectively.

Mr Macmillan has already engaged with several operators and contractors on the issue, and thus far the conclusion appears to be that data ownership is a contractual issue while data quality should be set aside for now. Instead, the focus is now on data stewardship.

It was noted that the issued could be tackled first by finding out the concerns of each party. Intent was also mentioned as key, as there are examples from other industries where companies can sign declarations of intended use of something, allowing for data to be shared in a controlled fashion.

Mr Macmillan noted that he will try to gather a group of drilling contractors together to discuss their concerns as a next step.

There being no further business, Mr Macmillan adjourned the meeting.