

International Association of Drilling Contractors



IADC Advanced Rig Technology (ART) Committee
09.00-11.00 Monday, 31 August 2020
Online Only

Minutes

IADC Advanced Rig Technology Committee Chair Robert van Kuilenburg, Noble, opened the meeting and welcomed the attendees. IADC's Linda Hsieh gave an overview of the [IADC antitrust policy](#).

- [Kelly Rose, National Energy Technology Laboratory](#), provided a guest presentation: “Data to Discovery – Big data, machine learning informed tools for offshore spill prevention.” Please refer to the accompanying slides.
- Data, Controls and Sensors (DCS) Subcommittee updates:
 - Nathan Moralez, BP, provided an update on the IADC Guideline for Drilling Control Systems Minimum Safety Features.
 - The DCS committee earlier this year changed its name from the Drilling Control Systems Subcommittee to the Data, Controls and Sensors Subcommittee, reflecting the group's expanded focus.
 - While the group typically meets monthly, this schedule has been put on hold in 2020 due to the pandemic and market downturn.
 - However, work on the drilling controls minimum safety features guidelines has continued. The document is currently under review. It is expected to be available by Q4 2020 for industry comment.
 - [Assaad Mohanna, NOV, provided an update to the Rig Sensor Stewardship project](#).
 - The first draft of the rig sensor stewardship guidelines is nearly finished and will be available for public review within 2-3 weeks. After feedback is received, this draft will be published. Next year, the project may seek to add chapters on additional sensors. Please reference accompany PowerPoint slides.
 - Robert van Kuilenburg provided an Alarm Management Guidelines update.
 - An update to the guidelines, which came as a direct request to the ART Committee from an API workgroup as a result of CSB recommendations, has been written. Final comments are being worked through. A draft is expected to be available for API to distribute in their work group no later than 21 September. The draft is planned to be released to IADC for review and publication thereafter.

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- New IADC bit dull grading project:
 - Robin Macmillan, NOV, noted that approval to proceed with the proposed project has been received from the IADC Executive Committee. He outlined the main goals and drivers for the project, which seeks to upgrade/update IADC's long-standing dull bit grading schema. ART will soon begin to publicize the project and accept volunteers to establish a workgroup.
- Open discussion, led by Robert van Kuilenburg:
 - Future projects: A potential new project was suggested to develop a report that would explore what role the drilling industry could play in renewables. Interested parties may contact Linda Hsieh.
 - Spark Tanks: It was agreed that Spark Tanks operate better as face-to-face events rather than virtual events; as such, there will likely not be a Spark Tank held in 2020.
 - BOP Controls Subcommittee: It was agreed that the BOP Controls Subcommittee, which has already been dormant for most of 2019 and 2020, be disbanded. If a need arises for this group in the future, it can be reconstituted.
 - Collaboration with other industry groups: Mark Anderson, Chair of SPE DSATS, thanked the ART committee for its involvement and work with SPE DSATS.
 - Outreach for talent: Eric van Oort with UT Austin mentioned that the number and the quality of students studying oil and gas is dropping, raising concerns around the availability of talent in the future. He noted that many of his best students are going to other industries instead.
- Remaining 2020 events were reviewed:
 - [ART Conference](#), September 1-2 (virtual)
 - [Cybersecurity Conference](#), September 3 (virtual)
 - [IADC DEC Tech Forum](#), September 15 (virtual)
 - Drillbotics Competition – virtual format, future plans

There being no other business, the meeting was adjourned.