

# International Association of Drilling Contractors



**IADC Advanced Rig Technology Committee Meeting**  
**9:00 am, Wednesday, 9 August 2017**  
**IADC Offices – 10370 Richmond Ave, Suite 760**  
**Houston, TX 77042**

## Minutes

ART Chairman Robin Macmillan, National Oilwell Varco, opened the meeting and welcomed the attendees. Mike Killalea briefed the group on facility information and IADC's antitrust policy.

Then came the subcommittee reports. Cybersecurity Chairwoman Siv Houmb discussed the wide-ranging activities of the SC. Many of these are detailed here: <http://www.iadc.org/wp-content/uploads/2017/07/IADC-Cybersecurity-Overview-July-2017.pdf>.

Ms Houmb noted that CyberSec IADC staff liaison Melissa Mejias had distributed to the ART Committee a request for comments on a draft Navigation and Inspection Circular (NVIC); Guidelines for Addressing Cyber Risk at Maritime Transportation Security Act (MTSA) Regulated Facilities. This NVIC, published in the Federal Register, proposes to clarify the existing requirements under MTSA to incorporate analysis of computer and cyber risk and guidance for addressing those risk. Comments are due September 11, 2017. The proposal can be found here: <https://www.gpo.gov/fdsys/pkg/FR-2017-07-12/pdf/2017-14616.pdf>.

It was suggested that the notice also be distributed to the Offshore and Onshore Advisory Panels. Mr Killalea noted that all IADC cybersecurity news is now provided to key onshore and offshore members through the respective "radar" emails from relevant staff. Action: Mr Killalea has communicated with appropriate onshore and offshore IADC staff on the topic.

Ms Houmb also noted that the guidelines for minimum cybersecurity requirements for drilling assets had been sent out for comments along with the request for comments of the NVIC. Comments to the guidelines are due 30 September. It was discussed that it might be necessary to do a follow-up notice, perhaps even on an individual level, to solicit feedback. (NOTE: The deadline date was revised subsequent to the meeting.)

Bob Judge, co-chair of the Future Technology SC, reviewed the 2 August Spark Tank. He noted that fewer abstracts are being received these days, and encouraged attendees to spread the word about the event. The Spark Tank is designed to encourage new ideas to "spark" innovations that can lower costs. He also encouraged more marketing. Mr Killalea said promotions are planned for upcoming editions of Drilling Contractor, eNews and DrillBits. At the Spark Tank, each presenter has 15 minutes to present his idea. A panel of operators and contractors then questions the presenter for another 15 minutes to provide the customer perspective. At the 2 August Spark Tank, sharks were Keith Lynch, ConocoPhillips; John Kozcizk, Transocean; and Patrick O'Neill, Noble Drilling.

Andrew Bruce suggested interacting with Station Houston (<http://stationhouston.com/>), at which entrepreneurs seeking entrée into oil and gas congregate to present their ideas. Mr Judge volunteered to make contact with CEO John Reale.

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Drilling Systems SC Co-chair Robert Van Kuilenburg, Noble, briefed the committee on his group's efforts. He noted that the industry had a huge emphasis on quality, and that this is a major driver for the SC. He said the SC's focus was on establishing IADC to step in as an umbrella for quality pursuits, much as the Cybersecurity SC has.

Mr Macmillan summarized the efforts of the BOP Controls SC. The SC is endeavoring to create guidelines for standardized qualification testing of SPM and shuttle valves. Document is projected to be finalized at the SC's October meeting.

Revamping the IADC Daily Drilling Report came next. Mr Killalea explained that the iconic form, which serves multiple purposes, has not been significantly updated in some time. The goal is to ensure the robustness both of the paper and electronic versions of the form.

The group then reviewed the program for the the 2017 IADC ART Conference, 24-25 October, Mövenpick Hotel, Amsterdam (<http://www.iadc.org/event/rig-technology-2017/>).

The event features an Audience Response System, in which pre-programmed questions are asked of the audience, who can answer using small remote control devices. Questions must be submitted to the ARS vendor within a week of the event.

Some questions are asked each year, and comparisons year by year will be provided at the conference.

**The group agreed to provide feedback on questions by 15 September.**

Links to questions from the IADC Advanced Rig Technology Conference from 2013 through 2016 are at:

- 2016: <http://www.iadc.org/wp-content/uploads/2016/09/IADC-2016-ARS-FINAL-1.pdf>
- 2015: <http://www.iadc.org/wp-content/uploads/2015/10/Survey-Results-from-the-2015-IADC-ART-Conference.pdf>
- 2014: <http://www.iadc.org/wp-content/uploads/2015/10/Survey-Results-from-2014-IADC-ART-Conference.pdf>
- 2013 (despite date in URL): [http://www.iadc.org/wp-content/uploads/2014/08/IADCQA\\_REV.pdf](http://www.iadc.org/wp-content/uploads/2014/08/IADCQA_REV.pdf)

**Post meeting note:** The ART Committee will also meet at 13.00 CEST in Amsterdam on Monday, 23 October. This is one day before the IADC Advanced Rig Technology Conference at the Mövenpick Hotel.

Mr Macmillan then reviewed the upcoming Drilling Systems Roadmap Workshop, 17-18 January, Norris Center, in Houston (<http://www.iadc.org/event/iadc-drilling-systems-automation-roadmap-workshop/>). The event is part of the process of an IADC joint industry project, DEC-1 (<http://www.iadc.org/wp-content/uploads/2014/04/John-de-Wardt-DSA-Roadmap-Oct-2015.pdf>), under the auspices of the IADC Drilling Engineers Committee. A full agenda should be available soon.

The final item was to consider options for increasing focus on land drilling. The committee agreed to reach out to the Onshore Advisory Committee and also to speak with land operators on what can enhance drilling efficiency and faster, safer drilling.

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There being no further business, Mr Macmillan adjourned the meeting. The next Houston meeting is at 0900 on Tuesday, 31 October, at IADC HQ.

## Attendance:

<b>Name</b>		<b>Company Name</b>
Brian	Piccolo	<b>AFGLOBAL CORP</b>
Robert	Judge	<b>BAKER HUGHES, A GE COMPANY</b>
Andrew	Bruce	<b>DATA GUMBO</b>
Han	Tiebout	<b>GUSTOMSC</b>
Mike	Killalea	<b>IADC</b>
Ricardo	Robles	<b>LLOYD'S REGISTER ENERGY-DRILLING</b>
Ray	Pereira	<b>M&amp;M INTERNATIONAL</b>
Robin	Macmillan	<b>NATIONAL OILWELL VARCO</b>
Robert	Van Kuilenburg	<b>NOBLE DRILLING</b>
Robert	Shank	<b>PARKER DRILLING</b>
Victor	Rasanow	<b>PARKER HANNIFIN</b>
Karl	Hay	<b>PARKER HANNIFIN</b>
Olivier	Lhommet	<b>ROWAN COMPANIES</b>
Richard	Norton	<b>ROWAN COMPANIES</b>
Siv Hilde	Houmb	<b>SECURE-NOK LLC</b>
Paul	Hardman	<b>THE REACH GROUP</b>

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