

International Association of Drilling Contractors



**IADC Advanced Rig Technology (ART) Committee
Drilling Control Systems (DCS) Subcommittee Meeting Minutes
09.00-11.00 Thursday, 26 July 2018
Venue: IADC HQ, 3657 Briarpark Drive Suite 200,
Houston, TX 77042**

In Attendance:

Ariel Torre, Precision Drilling	Mike Murray, National Oilwell Varco
Bradley Head, Derrick Corp	Rick Cannon, Gates Corporation
Cason Swindle, Context Associates	Robin Macmillan, National Oilwell Varco (dial-in)
Cole Burdette, Helmerich & Payne (dial-in)	Trent Martin, Transocean
David Shackleton, IDS (dial-in)	Vinay Kakuru
Emelino Pereira, M&M International	Wayne Miller, National Oilwell Varco
James Brannigan, Schlumberger	Mike Killalea, IADC
John de Wardt, de Wardt & Company (dial-in)	Linda Hsieh, IADC
Jorge Leis, Data Gumbo	
Maxine Aitkenhead, Data Gumbo	

Minutes:

The Drilling Control Systems (DCS) Subcommittee of the IADC Advanced Rig Technology (ART) Committee convened a meeting on 26 July at IADC's Houston HQ.

In the absence of SC Chair Nathan Moralez, Trent Martin, IADC ART Vice Chairman, welcomed the participants and reviewed the IADC anti-trust policy.

The DDR Plus project was discussed. David Shackleton provided a review of the proposed new codes and sub-codes developed by the workgroup. Members of the workgroup that developed the proposed codes and sub-codes is still gathering feedback, by comparing the proposed codes with those used by drilling contractors and by interviewing some drilling contractors. Kevin Boston, Pason, is heading up this effort. The deadline is 31 July. Once their feedback is collected, another iteration of the proposed sub-codes is likely.

IMPORTANT: Input on sub-codes is urgently needed. Please provide feedback directly to dshackleton@idsdatanet.com or john@dewardt.com. Please include descriptions, and start/end points.

Mike Killalea will post the work group's draft of IADC existing and updated codes/subcodes on the Resources page of the ART website, as well as to send it out to active DCS members. Click [HERE](#) to download the PDF.

It was agreed that while progress has been made, more feedback from the industry is needed. For example, does sub code 5 (milling) belong under code 2 (drill actual)? Are more sub-codes needed? It's important to include all existing codes so the new DDR is backwards-compatible.

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Mr Martin reviewed previously submitted comments from DCS SC Co-Chair Robert van Kuilenburg, who was unavailable for the meeting. Mr van Kuilenburg urged that allowance be made for newer rig functions such as dual activity and simultaneous activity, as well as for ancillary operations, such as logistics. The counter-argument was that adding such functions during this project, Stage Gate 1, would add an undesirable level of complexity. In addition, it was thought that any parallel activity might overrun the critical path.

Another topic raised through Mr van Kuilenburg's notes was the need for a means to handle future updates. It was noted that standards organizations have change-request processes; however, those are slow and cumbersome. It was suggested that this topic be added to the work agenda.

The SC decided that code 8, Repair Rig, needed greater granularity. Ariel Torre volunteered to undertake this as an action item. Cole Burdette noted that this code is one of H&P's most extensive, and is tied into corporate accounting.

Jim Brannigan and others suggested that for the planned schema of # 8, only high-level systems be identified, rather than specific components – i.e., well control, circulating system, hoisting, rotating, etc. This way, users will possess greater flexibility on components.

There was discussion on the value of the additional codes for the print DDR. Mr Killalea assured the participants that they were important. Instructions on the inside cover of the DDR form will be updated to match the new program. Blanks will be provided for subcodes. The new paper DDR will be phased in, in order to allow existing customers to continue using the old forms for a time.

The need for sub-sub codes was discussed, and the consensus was that this would be considered in Stage Gate 4.

The work group led by Mr Shackleton will organize a second virtual meeting during mid-August, and that Mr Shackleton will report to the DCS SC at its 30 August meeting.

Mr Killalea and Linda Hsieh will publicize the virtual meeting to encourage participation by a broader cross-section of the industry.

The next DCS meeting is scheduled for 30 August at IADC's HQ, 3657 Briarpark Drive Suite 200, Houston, TX 77042.

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