Minutes

DCS SC Chair Nathan Moralez, BP, opened the meeting and welcomed the attendees, who introduced themselves. Mike Killalea, IADC reviewed the IADC antitrust policy and the facility.

David Shackleton, IDS, then led a discussion of the work done on codes, subcodes, sub-subcodes, and sub-sub-codes for the DDR Plus. The proposed revision maintains the original 23 codes and adds six additional new codes. The original 23 codes are:

- 1: Rig Up and Tear Down
- 2: Drilling
- 3: Reaming
- 4: Coring
- 5: Condition Mud & Circulate
- 6: Trips
- 7: Service/Maintain Rig
- 8: Repair Rig
- 9: Cut Off Drilling Line
- 10: Deviation Survey
- 11: Wireline Logs
- 12: Run Casing & Cement
- 13: Wait On Cement
- 14: Rig Up BOP
- 15: Test BOP
- 16: Drill Stem Test
- 17: Plug Back
- 18: Squeeze Cement
- 19: Fishing
- 20: Directional Work
- 21: Run/Retrieve Riser Equip.
- 22: Surface Testing
- 23: Other

The six new codes are:

- 24: Non-Productive Time
- 25: Operating Status
- 27: Safety
- 27: Well Control
- 28: Coiled Tubing
- 29: Misc

The existing completions codes, currently represented by letters, will be identified by number moving forward. These are:

- 30 (formerly A): Perforating
- 31 (B): Tubing Trips
- 32 (C): Treating
- 33 (D): Swabbing
- 34 (E): Testing
- 35 (F): Subsea Installations
International Association of Drilling Contractors

Codes 36 and forward are reserved for possible future use. There are no current plans to assign any operations to these codes.

The proposal includes the 36 main codes (including Code 36, which is blank and reserved for the future), 180 primarily equipment-related subcodes, and 270 sub-subcodes primarily related to activities, for a total of 486 codes. Only a few sub-sub-subcodes were proposed.

It was agreed that the new DDR Plus would be flexible to allow users to incorporate new equipment or activity into the sub- and sub-sub-code levels.

After some discussion, the group agreed to a suggestion by Trenton Martin, Transocean, that the sub-codes (equipment) be swapped with the sub-subcodes (activity). This means that the progression would be: select a code, select a subcode (activity), select a sub-subcode (equipment).

It was also agreed that each sub- or sub-subcode be assigned a unique number that would identify that sub- or sub-subcode across all relevant main codes. For example, "lay down" would always be number 2, irrespective of related code. This suggestion was made by Meghan Essig, NOV.

Other decisions were:

- Make the drop downs intelligent. For example, when selecting 1 of the original 23 codes, the activity is automatically populated in the drop-down from a universal list, then once you select the activity, the equipment is automatically populated from a universal equipment list. Suggested by Mr Moralez,
- Make the fourth column, on the critical path vs off the critical path
- Rig Repair vs Service, we need to reformat these and make clearer (assign to people)
- Recommend that the new IADC report have a digital ID for block chain integration (Don Crouch).

Mr Killalea reviewed a draft white paper crafted by John de Wardt, “Decision Flow for IADC DDR Plus.” The point of the white paper is to record decisions made during the course of the DDR Plus work for the benefit of those currently involved in the effort, as well as those who might attend DCS SC meetings in the future. The DCS SC welcomes new participants and ideas that will move the project toward completion by year end. The white paper is intended to keep the work on a forward trajectory, and not be spun backwards into discussions of issues that have already been resolved.

Mr Killalea announced that IADC was entering into an agreement with IDS to develop the electronic schema for the DDR Plus, as well as a redesign for the print version. UPDATE: The agreement with IDS was executed at the beginning of October.

The next topic was development of guidelines covering the minimum requirements for safety features for a drilling rig. It was widely agreed that such an effort is needed. Mr Moralez was approached at the 2018 Advanced Rig Technology Conference in Austin about such a project.

The effort could cover anti-collision systems and machine-machine interlocks. This project differs from the work performed by the IADC HSE Committee, which focuses on personal occupational safety, as well as the IADC ISP, IADC Safety Alert Program, and coordination with the DROPS Network.

A workshop was suggested to launch the effort and gauge interest. Volunteers include Andrew Zheng, Schlumberger; Louis Perre and Jason Baker, Transocean; Don Crouch, Lloyds Registry; and Ernesto Espinoza, MHWirth.

Mr Moralez also led a discussion on launching an industrywide equipment and component failure database, similar to the IADC/OGP BOP JIP.

The next meeting will be 09.00-11.00 on Thursday, 25 October at IADC HQ, 3657 Briarpark Drive, Suite 200, Houston, TX 77042.

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