

International Association of Drilling Contractors



Drilling Controls Systems Subcommittee
IADC Advanced Rig Technology Committee
09.00-11.00 Thursday, 25 October 2018
IADC Headquarters, Crown 1 Conference Room
3657 Briarpark, Ste 200
Houston, TX 77042

Minutes

In the absence of DCS SC Chair Nathan Moralez, BP, Co-chairman Robert van Kuilenburg, Noble Drilling, opened the meeting and welcomed the attendees, who introduced themselves. Linda Hsieh, IADC, reviewed the IADC antitrust policy and the facility.

Mr van Kuilenburg reviewed the revised [DDR code system](#), with subcodes representing “activities” and sub-subcodes representing “equipment.” [205 pieces of equipment, and 189 activities, beyond the main codes, are sufficient to describe the entire drilling process](#), he noted. Work to refine the code system is ongoing. Mr van Kuilenburg said that he believed that these numbers can be decreased further.

It was agreed that the codes would be released for comments. NOTE: Post-meeting, the documents have been sent to the entire DCS Subcommittee. They are posted on the ART website under Resources, and a notice will go out in the November edition of IADC’s newsletter DrillBits.

Some attendees pointed to discrepancies in the system. For example, how would the new “Non-Productive Time” (Code 24) contrast with the existing “Rig Repair” (Code 8).

Mr van Kuilenburg said that these were the sorts of points that should be raised in comments on the proposal.

It was also pointed out that the existing paper form has limited space. However, there will be a redesign as part of the development of the DDR schema to accommodate the 35 main codes. The dozens of subcodes and sub-codes probably cannot be accommodated, although space for the actual code number could probably be provided, i.e., “26.188.242” for Safety – Talk – Rig Floor.

Mr van Kuilenburg stressed that backwards compatibility to the original 23 codes is a goal, and that IADC would make regular revisions to the code system.

Mr Killalea said the strategy is to look to the future, while being practical for the present.

Mr Shackelford, in addressing treatment of project/rig specifics, such as rig type, on/offshore, number of tours, could be treated as cascading drop downs in the schema.

Volunteers were sought to define each of the main codes. John de Wardt volunteered to define Drilling (Code 2). It is important to identify start and stop criteria for each.

International Association of Drilling Contractors

In the absence of Mr Morales, the item on rig sensor stewardship was postponed.

Chris Corcoran, ABS, led the discussion on development of an IADC guideline outlining minimum safety features for drilling rigs. Currently, no independent method exists to assess incidents caused by equipment interactions. He thinks that, through IADC, this can be moved to a higher level. The goal would be to define and champion inherently safe equipment through design.

There was a consensus that such an effort is overdue.

The efforts could be aligned with process safety, including zone management.

Kick-off suggestions included inviting representatives from NASA, the chemical and nuclear industries.

The next meeting will be 09.00-11.00 on Thursday, 15 November at IADC HQ, [3657 Briarpark Drive, Suite 200, Houston, TX 77042.](#)

There being no further business, Mr van Kuilenburg adjourned the meeting.

Attendees:

First Name	Last Name	Company Name
Chris	Corcoran	ABS
John	de Wardt	DE WARDT & COMPANY
Cole	Burdette	HELMERICH & PAYNE INTERNATIONAL DRILLING CO.
Mike	Killalea	IADC
Linda	Hsieh	IADC
David	Shackleton	INDEPENDENT DATA SERVICES
Ray	Pereira	M & M INTERNATIONAL, LLC
Megan	Essig	NATIONAL OILWELL VARCO
Robin	Macmillan	NATIONAL OILWELL VARCO
Wayne	Miller	NATIONAL OILWELL VARCO
Michael	Guerin	PACIFIC DRILLING
Paul	Herring	PACIFIC DRILLING
Gabriel	Felipe	PETROBRAS
Andrew	Zheng	SCHLUMBERGER
Vinay	Kakuru	