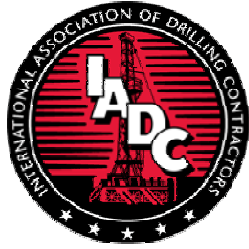


INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS



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IADC Reliability Subcommittee
IADC Advanced Rig Technology Committee
15 January 2009
IADC Headquarters

ATTENDING:

Brian Ellis, Canrig Drilling Technology
Karl Faler, TI-Data
Mohammad Qahtani, Saudi Arabian Oil Company
Robert Urbanowski, Precision Drilling Oilfield Services
Geoff Evans, Transocean
Frank Breland, Diamond Offshore
Jay Pickett, NOV
David Reid, NOV
John Pertgen, IADC
John Moat, Canrig Drilling Technology
Brian Parks, IADC
Mike Killalea, IADC
Togrul Mamedbekov, IADC

Minutes

Reliability SC Vice Chairman Robert Urbanowski opened the meeting and welcomed the participants.

The attendees reviewed the prototype on-line questionnaire on top-drive downtime. The prototype was presented by its developer, Togrul Mamedbekov, IADC Marketing/Publications Assistant, and Mike Killalea.

MK noted that, in the prototype, the selection of manufacturer was limited to those companies for which we possess top-drive models.

Several suggestions were made and adopted:

- Manufacturer drop down: Add ""Aker Solutions/MH/Aker MH", with each correlating to the identical list of models. Similar treatments for "Letourneau/LTI"(i.e., same model list), and for: "National Oilwell Varco", "National Oilwell", "Varco", "Hydralift", "Bowen" and "ACB". Also, add "Other".
- Add field under manufacturer dropdown where users can input a company name not in our list (if they select "Other").
- Add as required field with specific range of choices: "Estimated time in service on rig since last major off-rig overhauls (years): 1-5, 6-10, 11-15, over 15

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- Add below this a drop down for “Was overhaul conducted by Original Equipment Manufacturer (OEM)?” Choices: Y, N, Unknown
- Add “Year of manufacture (optional)”
- Add “Serial number (optional)”
- Remove “Hours on Unit” and “Hours since last overhaul”
- Add a drop down for “Hoisting capacity (tons)”, with choices, 150, 250, 350, 450, 500, 650, 750, 1,000, 1,250
- Add a drop down for “Power”, with choices, AC, DC, Hydraulic
- Replace rig type “Workover” with “Platform”
- For “Other” rig type, add to side “Specify rig type” with fill in
- Move/change “Hookload” to “Hookload at time of failure”. Provide a drop down on units: short tons, long tons, metric tones, pounds, kilograms. Provide fill in for numerical Hookload
- Under “Failure Type”, include “Pneumatic” with extensions identical to “Hydraulic”, “Power – Service Loop” and “Other”
- Delete “If Detail”
- Remove Drill Pipe drop down
- After “Last Jarring”, add drop down “Was Post-Jarring Inspection Conducted?” Y, N, Unknown

Then the SC reviewed future work efforts. It was reported that subsea manufacturers were reluctant to participate. The SC agreed to follow through with the TDS survey to develop a track record. Also, the SC would move to rackers and pipehandlers as the next action item, postponing the MUX work.

Also, rather than simply focus on MUX, the scope of that effort would be expanded to include BOP and conventional.

The main issue with the subsea systems is the length of time required to pull the equipment from the sea floor in deep water. This can take 1-2 days, compared to an hour to repair the equipment. The SC would like to see this designed out.

Frank Breeland volunteered to work up a brief MUX survey.

On pipehandling, the SC restated its definition that the equipment must be run by a PLC.

David Reid noted that the Guidelines SC has developed a function-based spreadsheet, and suggested asking what the machine type is early in the survey.

RU suggested obtaining all makes and models for this equipment. DR accepted the assignment.

The SC will meet next at 0830 Wednesday, 18 February. Its regular meeting time is the third Wednesday of each month.

There being no further business, the meeting was adjourned.