

INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS



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IADC Future Technology Subcommittee Meeting
IADC Advanced Rig Technology Committee
8:30 am, Thursday, 4 June 2009
IADC – Houston, TX

Attendees:

Bill O'Grady, Athens Group
Zain Master, Caterpillar
Jeff Swain, Chevron
Keith Womer, KW Technology Services
Tom Geehan, MI Swaco
Andy Shelton, National Oilwell Varco
Frank Springett, National Oilwell Varco
Hugo Valdez, Pride International
Peter Christian, Schramm Rotadrills
Karl Faller, TI Data

Minutes:

Survey Results

Reviewed the Survey

- Tie the matrix into the rig survey and how we can integrate the results of the survey with Logan's matrix.
- Identify what are the major issues and identify if there is existing technology that fills those gaps. If not, identify the holes in technology.
- Define roles and responsibilities for different disciplines (mechanical, Electrical, Petroleum, etc...)
- FS will send out the preliminary results of the survey for information. Before we start to process the data, it was recommended that we wait until we get more responses to the survey.

DSATS

Homework - Join DSATS sign in at SPE.

We need to look into DSATS and what their intentions are.

We need make sure we are aligned with DSATS in the work we intend to do.

Terminology – we need to define what we're trying to accomplish (sniglesnarf).

Semiconductor standardization process:

- Standard communication protocol started with a standard set of 400 commands. Problem was equipment not following standard processes and equipment failure ensued.
- Classes of equipment using a state model and impose standard order that can be used together. (i.e. you can't turn a piece of equipment on and off at the same time).

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- They took that equipment model and went very specific on equipment basis which enabled the equipment manufacturers to use those standards.

DSATS Research – Look at SPE site and read the Autonomous Automation Drilling from Fionn Iverson and John Thorogood's paper.

Next Step – Identify the operations in well construction.
Use the Dodson's paper to break down the drilling process.

IADC/SPE Drilling Conference – Need to submit an abstract for the Drilling Conference discussing the survey results and how we are applying those results to bringing detail into what DSATS is discussing in general. We need to discuss the Future Tech committee's mission and goals

Next Meeting – July 16, 2009 8:30-10:30 am.