

# MAINTENANCE COMMITTEE MEETING MINUTES

Transocean Training Center  
08 July 2009



## ***Call to Order / Introductions***

The acting Chairman, Mr. Frank Breland, recognized Transocean for hosting the meeting and welcomed all members and thanked them for their attendance. A building security and comfort briefing was given by Mr. Frank Edwards (Transocean Training Center). A short personal introduction was then given by each attendee followed by a review of the agenda by Mr. Breland.

IADC Antitrust Policy and Guidelines - The IADC Antitrust Policy and Guidelines were verbally reviewed with the attendees.

## ***Review of action items***

**Action Item #1 review:** Mike Killalea (IADC) reviewed the Advanced Rig Technology Committee mission, including a description of their subcommittees (Reliability, Software Technology; and Future Technology). Mike provided an overview of the survey procedure that will be used for researching the topdrive issues; and how the online system will be used by showing the group visuals from the actual online system. He stated that the ART committee is looking to have the survey completed and instituted by the end of this month (July). He further indicated that the generic results for the industry should be published and available at regular intervals once the system is up and running.

**Action Item #2 review:** John P pointed out that his research indicated that the EPA does not provide an Environmentally Friendly Lubricants (EFLs) list due the time and resources needed for its upkeep. Additionally, he reported that the USN does not have a specific site either, but that there is a website that is supported by the Joint Services, the Defense Logistics Agency, and the U.S. Coast Guard regarding pollution prevention and includes recommendations as to the use of EFLs. The link for that site is (<http://205.153.241.230/links.aspx?topic=217&linktype=1>)

***Regulatory Review:*** John P provided an update regarding the current regulatory issues on the following:

- USCG NVIC 01-09 regarding voluntary compliance with MARPOL Annex IV (Sewage)
- USCG MSDS (Material Safety Data Sheets) for SOLAS ships carrying oil and fuel oil
- USCG Notice of Arrival proposed rulemaking for Gulf of Mexico
- USCG International Air Pollution Prevention certificates per MARPOL Annex VI
- USCG Merchant Mariner Credentials
- MMS Global Positioning Systems for MODUs
- MMS Safety Environmental Management Systems
- EPA Greenhouse Gas mandatory reporting
- EPA NPDES Vessel General Permit (within 3 NM) [IADC Guideline]

***Main Presentation-*** PLC Control Systems presented by National Oilwell Varco (NOV)

- Overview of NOV Rig Solutions organization
- Programmable Logic Controllers (PLCs) in NOV equipment
- Upgrade from Simitac S5 to S7 (Equipment, Advantages, and Challenges)
- Siemens Product Lifecycle
- Single Board Computers (SBCs)
  - Hardware Independence
  - SBCs in NOV equipment

**Lunch & Learn:** Environmentally Friendly Lubricants presented by Oil Research Center

- Lubricant Composition
- Definition of Key Terms
- Current Applications and Regulations regarding Jack-up Legs and Mooring Systems
- Future Products and Regulations

**New Business / Open Discussion**

-Lunch & Learn Topics:

No recommendations were made at this meeting. Members are reminded to submit any and all recommendations for topics and/or speakers to John P via email.

-Open topics:

One member raised the issue of not getting part support from supplier / manufacturer for a specific period of years (support agreements are sadly lacking in our industry)

One member indicated that he is experiencing thruster seal failures and asked for input from other members.

One member indicated that the PLC presentation clouded the issue further regarding electronics. The member further went on to indicate that, with the various changes and versions being introduced at an every increasing pace, the maintenance group members should also be concerned about other systems and components on board their units (besides PLCs) that utilize electronics that can become outdated, and possibly unsupported for their continued operations or maintenance.

**Adjourned** - 1332 hrs

**Next meeting**

Date: 14 October 2009  
Sponsor: Pride  
Location: Houston

**2009 scheduled meetings:**

14	January	2009	Diamond
8	April	2009	Rowan
08	July	2009	Transocean
14	October	2009	Pride

**Attendance List**

Name		Company Name
Jose	Sanchez	Canrig Drilling Technologies
Frank	Breland	Diamond Offshore Drilling Inc.
Jeff	St. Clair	ENSCO International
S.L. (Sindee)	Gillespie	G.O.A. Enterprises, LLC
H.P (Butch)	Crabtree	Hercules Offshore
John	Pertgen	IADC
Mike	Killalea	IADC
John	Hoeflich	National Oilwell Varco
Svein Ove	Aanesland	National Oilwell Varco
Jim	Grant	National Oilwell Varco

Tim	Hayes	<b>Noble Drilling Services Inc.</b>
Darrell	Janssen	<b>Noble Drilling Services Inc.</b>
Mark	Andrews	<b>Parker Drilling Company</b>
Jeff	Lester	<b>Precision Drilling Oilfield Services Corporation</b>
Ronald	Stralla	<b>Rowan Companies, Inc.</b>
Jim	Reynolds	<b>Statoil</b>
Mark	Miller	<b>Terresolve Technologies</b>
Geoff	Evans	<b>Transocean</b>