Minutes
American Petroleum Institute
COMMITTEE ON STANDARDIZATION OF OILFIELD EQUIPMENT AND MATERIALS
SUBCOMMITTEE ON DRILL-THROUGH EQUIPMENT (SC 16)
January 24, 2012
The Renaissance Worthington
Ft. Worth, TX

ATTENDEES – MEMBERS
M. Whitby, CHAIR – Cameron                 D. Lewis – Blade Energy Partners
K. Grebing, VICE-CHAIR – NOV                J. McCaskill – Expro
M. Chance – West Engineering                Harish Patel – ABS
A. Frazelle – BP                           R. Turlak – Transocean
F. Gallander – Chevron                     J. Van Wijk – Shell
B. Carbaugh – GE Oil & Gas                 B. Wright, CAD
T. Hogg – ENSCO                            K. Young – Stress Engineering

ATTENDEES – VISITORS & STAFF
P. Castle-Smith – Shell                     R. Masoni – ENI E&P
D. Fugate – BP                              B. Moyer – Oceaneering
R. Gadapa – ABS                             A. Otter – Shell
E. Gaude – Cameron                          T. Redlinger – Weatherford
R. Goodman – API                            B. Schwind – PPI Mechanical Testing
D. Kaminski – BP                            Services
M. Kennedy – Cameron                        R. Urbanowski – Precision Drilling
S. Lazar – Oceaneering

1. WELCOME/INTRODUCTIONS
The chair, Mel Whitby, welcomed the attendees and offered a safety moment. The attendees introduced themselves, stating their company affiliation and responsibilities. The meeting attendance sheet is provided in Attachment A.

2. APPROVAL OF AGENDA
The meeting agenda was approved as distributed.

3. APPROVAL OF MINUTES FROM THE PREVIOUS MEETING
The minutes from the June 29-30, 2011, meeting were approved.
4. TASK GROUP REPORTS

A. Spec 16A, Drill-through Equipment (TG 3) – Kent Grebing reported the group is currently active on the revision of Spec 16A and have held three meetings in the past six months. The progress to date includes the decision to remove Annex B (repair and remanufacture) from the next edition of 16A and then to address this topic in a new standard. The task group is also discussion the shearability of tubulars and the impact of SC 5’s work in this area.

B. Spec 16C, Choke & Kill Systems (TG 1) – John McCaskill has volunteered to chair this task group and complete the revision. The current plan is to reform the task group and review the comments from the second ballot to determine if further revisions and a reballot are necessary.

C. Spec 16D, Control Systems & Drilling Well Control Equipment (TG 2) – Brian Wright reported the task group has met once since the summer meeting. They are reviewing the design requirements to determine their ability to meet the new provisions in the API 53, 4th edition draft. The task group is also discussing surface controls with standards vs. emergency conditions, and functional volume requirements.

D. Spec 16F, 16Q, 16R, Marine Drilling Risers (TG 4) – David Lewis reported the task groups held initial meetings in the summer and fall of 2011. Subgroups are being formed in each of the task groups to review and revise specific sections of each document. The meetings of the task groups have been combined since they share many of the same members.

5. API 53 4th EDITION UPDATE

Frank Gallander reported the second ballot of API 53 closed on January 16th. The preliminary results indicate there were four negatives and 21 affirmative votes. The major issues that require resolution include the requirements for two blind-shear rams, an autoshear system, and a deadman system for moored vessels. Comment resolution will begin in March with the goal of having an approved final draft ready for publication in the third quarter.

6. NEW BUSINESS

A. Proposed repair and remanufacture standard – As proposed by the 16A task group, a new standard to cover repair and remanufacture of drill-through equipment is being proposed to replace Annex B in 16A. Jan Van Wijk of Shell presented a flow chart that outlines a process that can be used as starting point for the new standard (see Attachment B). The task group will also address if it is possible to maintain the API monogram on equipment that is subjected to repair or remanufacture. A kick-off meeting will be scheduled in the second quarter to begin work on this new standard.

B. Proposed BOP systems standard – Recent industry events have led to discussions on the need for a standard covering BOP systems. API 53 does address this from the operational perspective but there is not an equivalent standard for design. Current API standards
address the design of specific types of drilling well control equipment but not the overall system.

**ACTION:** A small working group will be formed to develop a scope for this proposed standard.

7. **NEXT MEETING DATE**

The next meeting of SC 16 will be held on June 13, 2012, at the API E&P Standards Conference in Westminster, CO.

8. **ADJOURNMENT**

With no additional business, the meeting adjourned at 2:00 pm.
# RECORD OF MEETING ATTENDANCE

**Group:** SC16  
**Chairperson(s):** Mel Whitby

**Meeting:** Drilling Well Control Equipment  
**Time:** 8:00am-5:00pm  
**Date:** 01/25/2012

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Committee members should make changes to their contact information on the roster provided. Visitors adding names to the roster will not automatically become members of the committee.

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Indicate in the first column ( ) if you are:
(M) Member of the committee in session,
(R) Representing a Committee Member (if so, state the member's name),
(V) Visitor – ONLY voting members or their representatives may vote, or
(S) Staff.

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THIS FORM MUST BE RETURNED TO API STAFF

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Example flow chart OEM / Remanufacturers requirements API 16A

BOP repair
remanufacturing/ 
recertification requirement

Selected repaired shop shall have
full API-16A and 
API-6A license.

API 16A: 8.3.2 Design of replacement parts
Replacement parts that meet or exceed the requirements of this American National Standard

API 16A: 8.3.3 Design of replacement parts
Replacement parts that meet or exceed the original equipment design requirements of the OEM

API 16A: 8.3 Design of replacement parts
Replacement parts that meet or exceed all the requirements of this American National Standard and the remanufactured equipment has successfully completed the equipment design verification testing as defined in section 5.5.

The original OEM for the repaired / remanufactured part remains the same, but the NON-OEM (Repairer / Remanufacturer) now controls the specification of the part.

Notes:
- Remanufacturing is a replaceable process in life of well control equipment.
- Remanufacturers shall take full ownership and warranty on repaired / remanufactured equipment.
- The OEM always remains the OEM during lifetime of the equipment and the spare parts manufactured.
- Remanufacturing and remanufactured parts shall always be in compliance with the API-6A standard.
- Equipment repaired or remanufactured shall be marked in accordance with the requirements of API-16A, Annex B7. Loss of service history or OEM certification can only be solved with adherence to repair/remanufacturing processes as defined in API-16A, including full design verification.

API 16A: 8.3.2 Design of remanufactured parts
Remanufactured parts that meet or exceed the original equipment design requirements of the OEM

OEM declares equipment design as no longer suitable for repair and remanufacturing

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