Minutes of Meeting – API SC16
June 27, 2019

1. This meeting was scheduled for 1:00 PM through 5:00 PM on June 27, 2019 at the Hyatt Regency New Orleans Hotel in New Orleans, LA.

2. Attendees:

   Chair: Chris Stewart
   Vice-Chair: Ricky Cummings (absent)
   Secretary: Erin Welsh

   There was a teleconference for this meeting. The following introduced themselves on the teleconference:

   1. Victor J. Leon – MHWirth
   2. James Chambers – Weatherford
   3. José D. García – DODI
   4. Eric D. Larson – BHGE
   5. Brian Piccolo – AFGlobal
   6. Martin Carnie – Maersk
   7. Peter Bennett – Pacific Drilling
   8. Bhavin Patel – Axon
   9. Dean Ueckert – Axon
   10. Noriaki Yoshiyasu – Noble

   Please see attached sign in sheet for a list of attendees.

Minutes

3. The meeting began at 1:11 PM with a safety briefing on egress
4. The API Anti-Trust rules were presented and reviewed
5. The Chair distributed the SC16 membership and voting roster; requesting that corrections be made; Please notify the chair of any voting member or alternate voter corrections
6. Introductions were made; an attendance sheet was distributed and call-in guests announced
7. The chair reviewed the voting roster; Plans for segregation to be better suited to the ability of voting members to attend and contribute to the standards they vote on. Seven groups proposed. After the list is circulated if you do not agree with how your company is assigned, notify Chair.
8. The chair provided a brief overview of today’s agenda [Please see Attachment A for the Agenda]; the agenda was adopted
9. A review of the SC16 Work status spreadsheet was performed by the chair [Please see Attachment B for the SC16 Work Status Spreadsheet]
10. The minutes of the previous meeting previously distributed to the committee are on the API website; the minutes were presented but not read; the minutes were adopted and approved.

11. Chair gave presentation on Roberts Rules of Order [*Please see Attachment C for the presentation*]

12. Task Group / Project Lead Reports (with Review of Action Items):

   a. 16A – Specification on Drill-through Equipment (TG3) – Leonard Childers, Chairman, presenting

       [*Please see Attachment D for the 16A presentation.*]

       Nic Arteaga is Vice Chairman


       Question: Any work on the differential pressure question for 16A? Been on hold, will get restarted this fall. Chris Johnson will be leading this after the current addendum work complete.

   b. 16AR – Repair & Remanufacture of Drill-through Equipment (TG7) – Jan Van Wijk, Chairman, presenting

       Chris Johnson Vice-Chair

       SRRR’s requested to work on CVM location (to document if we can continue current practices or we must modify to adopt other international standards).

       $40.5 k estimated cost for study.

       Motion to approve SRRR for testing and application to 16A/16AR. Seconded, discussion followed:

       Question: You know 5L is working on this will it be combined? Do they have a SRRR request in?

       Answer: Issue is they are using different materials. They will be invited into the workgroup.

       Question: How about moving this to SC20 by combining the SC5 and SC16 study on CVM?

       Answer: SC5 is farther away from addressing this question to meet the timeline of 16AR. Commented that any other standard can refer to another standard’s requirements.

       Any more discussion?

       Question (ABS) is the material being proposed /strength level being targeted for the study.

       Answer: Three materials [per the slide 4130/8630M/F22M]

       Chair called for Vote

       Motion passed with none opposed.
c. 16AS – Standard for BOP Systems – Matt Givens, Chairman, presenting

TG developing First Edition; Initial working document expected by end of 2019

d. 16B – Specification on Well Intervention Well Control (TG5) – Steve Deshotel presenting (in place of Alex Sas-Jawosky, Chairman)

This is the first release of a product specification. Plan to be out for ballot by 3Q19

SRRR for discussion – 16WL Recommended Practice for Wireline [New Document]

Move to approve made by chair

Seconded

Discussion - Request to see resources list, who committed to contribute? Chair displayed.

Comment - Some work already started and there is an engaged group existing.

Chair called for vote

Motion passes with none opposed

e. 16C – Specification for Choke & Kill systems – Chris Scarborough, Chairman

Presented by Harish Patel

Third Edition has completed ballot resolution and preparing for next limited scope ballot

Question - Can you monogram a manifold after this edition?

Answer - Don’t know. Thoughts are “no” but will clarify with Chair/API as required

f. 16D – Specification on Drilling Well Control Systems and Equipment (TG2) – Brian Wright, Chairman, presenting

Nathan Cooper, Vice-Chair

3rd Edition published Nov 2018, effective May 2019

Question - Is addendum expected?

Answer - yes. Errata for sure, and an addendum most likely to correct normative/vs non-normative. A couple of mistakes in the examples.

Addendum not being requested at this point.

Question of SRRR’s - If you want to submit one does it have to be at a conference? The answer is it can be submitted at any time but must be voted on by the SC, generally in this format.
g. 16F/16FR – Specification on Marine Drilling Riser Equipment (TG4) – George Tisdale, Chairman, presenting

[Please see Attachment J for the 16F/FR presentation.]

2nd edition published, TG working on Addendum

Question - in the addendum, is it planned to cover RRT sensors?

Answer - This is open at the next meeting.

Trying to get more input on bolting, bolting selection. 20E or not?

Looking at adding answers to 4 RFIs.

BP rep described the RRT functionality that is being proposed for 16F for inclusion.

Planned for discussion in addendum task group.

16FR is a new document, still in process. Do not have good representation from operators; chair made plea to industry for more Operator representation

h. 16Q – Design, Selection, Operation and Maintenance of Drilling Riser Systems (TG4) – David Lewis, Chairman.

[Please see Attachment K for the 16Q presentation.]

Requesting SRRR to start work with MPD addition and mud boost line

Chair repeated request for SRRR approval

Seconded

Discussion followed:

Question: Is this meant to make boost lines as a testable line? Since not all boost lines are required to have a gate valve, some people use a check valve.

Answer: No

Second request to see resources - List is participants from 16Q

Question: Is the committee considering H2S effects in riser…in particular because now we are using MPD? Partial pressure will increase, circulating 2 barrel kicks.

Answer: H2S ratings should be handled by 16F

Question: Does the riser adapter stay under 16F?

Answer: Yes.

Comments: Maybe this mud boost line termination should be addressed by 16F? The difference is if it’s a design requirement or an operational requirement?

Anyone opposed - none.

Motion Passed SRRR to create an addendum for 16Q.

i. 16RCD – Specification on Rotating Control Devices (TG6) – Micah Spahn, Chairman
j. 16ST – Coiled Tubing Well Control Equipment Systems (TG5) – Steve Doshotel presenting for Alex Sas-Jawosky, Chairman.

[Please see Attachment M for the 16ST presentation.]

Out for ballot.

k. 16TR1 – BOP Shear Ram Performance Test Protocol, 1st edition. – John Hoefler presenting for Ricky Cummings, Chair

[Please see Attachment N for the 16TR1 presentation.]

Published 2Q18.


Question: Is on bottom shearing included in scope?
Yes: It’s in the first edition for tubulars also.

Comments: Wireline tension currently set at between zero and 100 lbs. (not defined in psi)

Two criteria for visual leakage – visual drips and pressure decay limitations.

Question: Can you elaborate on what is on bottom testing for wireline?
Answer: Yes, this is “zero” tension wire.

l. RP59 – Well Control Operations – Chris Stewart Presenting for Tom Proehl, Chairman

Need new chairman

[Please see Attachment O for the S53 presentation.]

m. S53 – Standard for Well Control Equipment Systems – Danny Fugate presenting for Ricky Cummings, Chairman

[Please see Attachment P for the S53 presentation.]

Fifth Edition published 4Q18.

Need volunteers for analyzing well control event data and reliability data analysis.

Question: What is the status?
Answer: Budget not yet approved.

SRRR submitted for condition based maintenance guidance.

Chair repeated motion

Seconded

Further discussion:

What are the resources? Chair displayed and more people volunteered.

A request will be sent out for volunteers.
Question - What is the objective of the well control data analysis?
Answer - to get more data on what may be missing in S53, what gaps may need to be bridged.
No further questions.
Vote requested for SRRR
Motion passes
SRRR - Shear Timing report
IOGP report looking for a home for this study and its application to the SC16 design requirements.
Discussed the report content, and analysis of the findings from lab testing and shear speed.
Chair repeated motion.
Motion seconded.
Question – Is the intent to move it out of RAPID53 and move it to 16SC, reason being is that the IOGP is in process to get the rights to release the information.
Response was that RAPID53 does not look like a good fit because that is a reliability platform where this report addresses more of an operational issue and 16SC would be a better fit.
Concerns are that going to API route it will delay its publication.
Request chair to make proposal to oversight committee for the IOGP to get the data released to 16SC.
Anyone opposed? One opposed.
Motion passes
n. S64 – Standard for Diverter Equipment Systems – Marco Romero, New Chairman, presenting
   [Please see Attachment Q for the S64 presentation.]
Addendum 1 published in 4Q2018
13. Other business:
   a. None
14. Summary of Action Items from this meeting:
   a. Five (5) SRRRs to be submitted to CSOEM – Chair
   b. Contact IOGP to request Shear Timing Report data release – Chair
15. Next Meetings:
   a) Winter Standards Conference in Fort Worth, TX (January 20-24, 2020)
b) Summer Standards Conference in Washington, DC (June 29-July 3, 2020)

16. Meeting Adjourned at 3:00 PM.

Attachments:

A. SC16 Meeting Agenda
B. SC16 Work Status spreadsheet
C. Robert’s Rules of Order presentation
D. API 16A presentation
E. API 16AR presentation
F. API 16AS presentation
G. API 16B presentation
H. API 16C presentation
I. API 16D presentation
J. API 16F/FR presentation
K. API 16Q presentation
L. API 16RCD presentation
M. API 16ST presentation
N. API 16TR1 presentation
O. RP 59 presentation
P. API S53 presentation
Q. API S64 presentation