
1. Meeting was scheduled for 1:00 PM through 5:00 PM on January 25, 2017 in the Regency West #6 meeting room at the Hyatt Regency Riverwalk in San Antonio, Texas.

2. Attendees
   
   Chair: Chris Stewart
   Vice-Chair: Ricky Cummings (not present)
   Secretary: Maynard Chance (recording)

Minutes

3. The meeting began at 1:00 PM with a safety briefing.

4. The API Anti-Trust rules were presented.

5. Introductions were made, an attendance sheet was distributed (those who called into the meeting were identified on the attendance sheet).

6. The Chair reviewed the SC16 Voting list; corrections were made. Please notify the chair of any needed changes.

7. The chair provided a brief overview of today’s agenda; please see Appendix A (at the end of this document). The agenda was adopted.

8. An API Monogram Program report was presented by Stacey Hagen [Attachment A].
   There is a new audit report format that will be initiated in North America only. There is a nonconformance report site that allows for anonymous reporting.

9. A review of the SC16 Work status spreadsheet was performed by the chair. [Attachment B]

10. The minutes of the previous meeting previously distributed to the committee. The minutes were presented but not read. The minutes were adopted and approved.

11. A discussion on a Global Industry Services (GIS) proposed initiatives/roadmap was introduced by the Chair. [Attachment C]
   
   The intent is to have a certification program for new equipment, used equipment, and design review. This is in addition to the 16AR registration program.
   
   This would be like an independent third-party review.
   
   This should be more than just the process; need to validate the design – thus need to review the product ‘back to the required specification requirements’.
   
   Experience – API ‘certification’ could be back to the specification or back to Q1.
   
   Problem noted – an Independent Third-party review is what is needed; but if it is a review of an API product/design to an API spec/standard using API acceptance criteria; exactly what is independent? Seems that this is more in line with an audit.
   
   Question is what is the scope – the answer is that the scope has not been defined, it will be what we make of it.
Is there a need for this?
The current certification programming (monograming and licensing/registration) has not demonstrated itself to a point where the industry has confidence in the output that it provides. Therefore, effort would be better placed in strengthening the existing programs before stepping out into new programs such as those proposed by the GISC.

Areas of the current API program in need of improvement:

- Auditing ‘let’s fix what we have’ rather than start with something else
- Issue with companies that have the design at one facility and manufacturing elsewhere – do not need to audit for design at the manufacturing facility (but this is being done)
- API needs to confirm with S1 in terms of color-coding API Specs and Standards
- Auditors be consistent (currently there is significant variation)
- Auditors should be SMEs, capable of performing the audit
- Ensure that the audit questions are relevant; to ensure this, may need help from the subcommittee SMEs to train the auditors to a higher level of competency
- Select audit questions to ensure that the product conforms, not some sentences selected from the spec that are not relevant
- To improve the audits, may need the SMEs that are in the relevant standards/spec committees, and select which ‘shall’s & ‘shoulds’ would be relevant in an audit
- Suggested that auditors interface with SMEs at the winter/simmer conferences. API auditors are here at the current API conference

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

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

Leonard Chairman, Nic Arteaga is Vice Chairman.


All 16A RFI’s were addressed at the meeting held earlier in this conference.

There was extensive discussion concerning the issue of thermocouples and QTCs (qualification test coupons).

The following is a summary of the discussion:

Background: The 16A task group previously requested and received a 4-month (10 month from publication date) extension of the Fourth Edition, in conjunction with a request to address an issue with thermocouples and QTCs. The primary issue was that as written, the required QTC size was excessive. This request was granted, and the effective date was extended and Addendum 1 was balloted and released.

At the current meeting the 16A task group requests that CSOEM sanction a work group that will revise the current requirements for thermocouples and QTCs (which were changed in Addendum 1).

Reason: There exists existing material that meets the requirements of 16A Third Edition, but will not meet the requirements of the Fourth Edition.
All of the OEMs are requesting this.

The main objections were:

1) The proposal will be in violation of the program requirements.
2) Many view this as a commercial issue, which should not be a reason to change the documents or API processes/procedure.
3) The statement was made that since a change was made, that the material the conforms to the Third Edition was inferior to the material that conforms to the Fourth Edition. This is not the case, as stated by those in favour of the change.

The major reasons stated for the change:

1) The chemistry of the Third Edition material is the same as the Fourth Edition material
2) The major change is in the QTC (and of thermocouples used), where the Fourth Edition QTC provides more accurate information of the material. The QTCs for the Third Edition are not of sufficient size to provide as accurate material information.
3) The QTC is of the same material as the BOP body, they are manufactured from the same heat, and subjected to the same heat treatment. It is not possible to take an existing ‘Third Edition’ QTC and ‘make it meet’ the Fourth Edition QTC requirements.

Other comments:

Existing material can be used to make a BOP to Edition 3, but material that meets Edition 3 cannot be monogramed after the effective date for Edition 4.

Material used in 3rd Edition has proven to perform well in the field.

Discussion on how long the Addendum would take (if approved): 2 months – not likely; 4 months is possible.

There is a desire to change the effective date by several months, but API processes limit total time to one year from the publication (it is currently at 10 months from publication).

Discussion that adding several months to the effective date should not be an issue.

Telephone – is this going to happen again in 4 months? Suggested to not ask for a change in effective date, since there will not be a significant difference in time.

Motion was made and seconded to ask for a 4-month extension of the effectively date. Motion does not pass.

Motion was made and seconded to create a work group to evaluate using material that meets 16A Third Edition by adding/revising an Addendum to the Fourth Edition. Motion passes.

The 16A Chair requested that a 16A member volunteer to lead this work group.

Motion was made and seconded to request for a 2-month extension of the effective date: Motion passes.
b. 16B – Specification on Well Intervention Well Control (TG5) – Alex Sas-Jaworsky, Chairman, presenting [Attachment E].

This is a new specification – most OEMs of these products were not members of API; there is a significant number that are API members now.

The proposal is that these products will be monogramable.

c. 16C – Specification for Choke & Kill systems – Chris Scarborough, Chairman, presenting [Attachment F].

Discussion on Mud-Gas Separators (MGS) requirements.

d. 16D – Specification on Drilling Well Control Systems and Equipment (TG2) – Brian Wright, Chairman, presenting [Attachment G].

Final draft approved, the document is in press. The one negative vote was changed to a yes vote. Publish date expected to be March 2018.

e. 16F/16FR – Specification on Marine Drilling Riser Equipment (TG4) – George Tisdale, Chairman, presenting [Attachment H].

16R will be withdrawn on the effective date of 16F, 2nd Edition (May 2018)
16FR is a new document under development (16AR used as a guide).

f. 16RCD – Specification on Rotating Control Devices (TG6) – Martin Culen, Chairman, Chris Stewart presenting [Attachment I].

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

16Q is an RP.

Related issue – SC5 pipe specs do not use maximum tensile strength; however, some BOP shear calculation methods use maximum tensile strength. “Higher tensile strength pipe can require higher shear pressure”.

Please see presentation [Attachment J]. – many people would like to have the data that shows the distribution of mechanical properties for a given grade of pipe.

h. 16ST-Coiled Tubing Well Intervention Well Control (TG5) – Alex Sas-Jaworsky, Chairman, presenting [Attachment K].

i. 16AR – Repair & Remanufacture of Drill-through Equipment (TG7) – Jan Van Wijk, Chairman, Chris Johnson Co-Chair, presenting.

RFIs meeting planned; some people have questions, they were asked to submit RFIs so others when the same question can reference answers to the RFI.
Issue of RSL3 and meeting current 16A; RSL1 and RSL 2 are still useful equipment, however the material traceability is lacking. All 3 levels are useful, the difference in material traceability.


Fifth Edition currently in ballot.

k. RP59 Recommended Practice for Well Control Operations – Tom Proehl [Attachment M]
A survey was performed, only had 10 responses. It seems most have not read the document.

Discussion centered on whether the document needed to be revised; there does not appear to be a need. However, some did not want the document to be ‘obsolete’. Suggested to be re-affirmed. Question – does it have to be updated per the style guide. Can convert this RP to a TR (Technical Report), which is not required to be revised. If document is revised then needs to be updated and balloted.

Reaffirmed would mean no change but would be effective for another 5 years. If reaffirmed, the technical content would be the same, but the text would be reformatted to the current format. The existing content is still technically correct, only change needed are that current text references a previous edition of the IADC Deepwater Well Control guidelines.

Suggested that in the current climate (where API is recognized as a factor in the safety of drilling operations), it may not be ‘good for the industry’ to withdraw this document. However, IADC is working on these issues, so this is not the only source of this information.

Standard 53 does reference S59 for through drills and hang off procedures.

The commitment necessary (time commitment & qualified personnel) to revise the document does not appear to be available.

Motion was made and seconded to re-affirm this document. The motion passed to re-affirm the document. Additional discussion resulted in agreement to have a comment ballot.

l. S64 – Standard for Diverter Systems Equipment and Operations – Tony Hogg, Chairman [verbal update only].

Document released last October.
Two issues to be addressed, will be handled by an addendum.
Motion was made and seconded to add an addendum to address issues with bolting recommendation. Motion passed.

m. 16TR1 – BOP Shear Ram Performance Test Protocol, 1st Edition. – Leonard Childers presenting [Attachment N]

Developed detailed procedure for shear tests, will be sent to API soon for re-ballot.
Discussion that 16ST reference that data acquisition system shall be within 0.5% accuracy. Need to have a “+” and or “−” with the requirement. Request that this be listed as “+/-” 0.5%.

This document is totally separate from 16A.

n. 16AS – Standard for BOP Systems – Mel Whitby, Chairman, presenting [Attachment O]

Matt Givens was proposed to become Chairman of 16AS upon retirement by Mel Whitby on February 16th.

12) Other business:

Suggestion that task groups have limited meeting times during the summer and winter conferences for the specific task group, since most of the SMEs for that task group are not able to attend. The shortened task group meeting times could allow for larger
meetings for ‘multiple groups’ to meet on common issues, more cross pollination. That is, not view a conference at another task group meeting. This can include task groups outside of SC16 (e.g., SC17, SC5).

13) Summary of Action Items from this meeting:
   Motion passed to request that a work group be created to evaluate using material that meets 16A Third Edition by adding/revising an Addendum to the Fourth Edition. Motion passes.
   Motion passed to request for a 2-month extension of the effective date of API 16A.
   Motion passed to re-affirm S59. Additional discussion resulted in agreement to have a comment ballot.

14) Upcoming API E&P Conference:
   Summer Standards Conference – Denver, Colorado (June 11-15, 2018)

15) Meeting Adjourned at 4:40 PM.
AGENDA

Exploration and Production Standards Conference on Oilfield Equipment and Materials
API Subcommittee 16 - Well Control Equipment

Hyatt Regency San Antonio
123 Losoya Street
San Antonio, Texas 78205
Thursday, January 25, 2018

Chair: Chris Stewart
Vice Chair: Ricky Cummings
Secretary: Maynard Chance

1:00 PM – 5:00 (May End Earlier Depending on Completion of Agenda Items)
Agenda Items are provided below in the approximate order to be addressed (order subject to change).
Meeting Breaks: At Chair’s Discretion.

1. Meeting Opening / Safety Brief – Stewart
2. Antitrust Reminder – Baniak
   Attendance and Rosters – Stewart
     a. Attendance Sheets
     b. Introductions
     c. Review SC16 Voting Roster
3. Adoption of Proposed Agenda – Stewart
5. Adoption of the Minutes from June 2017 Meeting (Calgary) – Stewart
6. API Monogram Program Report – Hagen
7. Discussion on Global Industry Services (GIS) proposed initiatives/roadmap – Stewart
8. Task Group / Project Lead Reports (with Review of Action Items):
   o. 16A – Specification on Drill-through Equipment (TG3) – Childers
   p. 16B – Specification on Blowout Prevention Equipment for Wireline, Coil Tubing and Polished Rod Application – Sas-Jaworsky
   q. 16C – Specification on Choke and Kill Systems (TG1) – Scarborough
   r. 16D – Specification on Drilling Well Control Systems and Equipment (TG2) – Wright
   s. 16F/FR – Specification on Marine Drilling Riser Equipment (TG4) – Tisdale
   t. 16RCD – Specification on Rotating Control Devices (TG6) – Stewart
   u. 16Q – Design, Selection, Oper. And Maint. of Drilling Riser Systems (TG4) – Lewis
   v. 16ST – Coiled Tubing Well Control Equipment Systems (TG5) – Sas-Jaworsky
   w. 16AR – Repair & Remanufacture of Drill-through Equip. (TG7) – Johnson
   x. S53 – Standard for BOP Equipment Systems for Drilling Operations – Fugate
   y. RP 59 – Recommended Practice for Well Control Operations – Proehl
   z. S64 – Standard for Diverter Equipment Systems – Hogg
   aa. 16TR1 – BOP Shear Ram Performance Test Protocol, 1st Edition. – Childers

9. Old and New Business
10. Action Item Summary / Review
11. Upcoming Meetings:
   a. Summer Standards – Conference in Denver, CO (June 11-15, 2018)
   b. Winter Standards – Conference in San Antonio, TX (January 21-25, 2019)
11. Meeting Adjourn
Attachments:

A. API Monogram presentation  
B. SC16 Work Status spreadsheet  
C. GIS Certification proposal  
D. API 16A presentation  
E. API 16B presentation  
F. API 16C presentation  
G. API 16D presentation  
H. API 16F/FR presentation  
I. API 16RCD presentation  
J. API 16Q presentation  
K. API 16ST presentation  
L. API S53 presentation  
M. API RP59 Presentation  
N. API TR1 presentation  
O. API 16AS presentation