MINUTES
API Subcommittee 17 (SC17)
Subsea Production Equipment
2016 Summer Committee Meeting
Grand Hyatt Hotel, Washington DC
Wednesday, June 29th 2016

John Bednar, Chairman
Brian Skeels, (Co) Vice-Chairman
Bruce Witwer, Liaison Materials
Terry Cook, (Co) Vice-Chairman
Ross Frazer, (Co) Vice-Chairman
Man Pham, Secretary
Jens-Henrik Neuenkirchen
Jens Henrik Neuenkirchen and Liaison Industry Standardization
Liaison International Standards

1. Meeting Opening/Safety Issues
   • SC17 Chairman welcomed the Subcommittee members and attendees to the meeting at 8:00 AM with opening remarks and safety/housekeeping overview.
   • Review and comment on API Winter 2016 Minutes of Meeting


3. Review of SC17 Membership details list (address, phone number)

4. A roll call was completed and confirmed that there was a quorum of 27 present for this meeting (a minimum of 15 is required).

5. API Summer 2016 Agenda review: Motion was made to approve. Seconded. Motion passed

6. Antitrust reminder was provided by API staff. All present acknowledged their understanding of the antitrust rules.

7. The updated SC17 Voting Representation Listing presented (Attachment 01), the API Work Group Leads Contact List was presented (Attachment 02)

8. The Subcommittee 17 Standards Status Matrix (Attachment 03) was presented by John Bednar.

9. Minutes from API Winter 2016 [Houston]: Motion was made to approve. Seconded. Motion passed.

10. International Standardization
    • Update provided by Terry Cook
    • New standards being worked:
      – Forging Material JIP (DnV), Phase 2
      – Subsea Tree Standardization (JIP WEF 33 IOGP) – Consideration as supplement to API 17D
    • SC17 generally supports the intent of these other initiatives. The applicable task groups are encouraged to review the final work products for consideration of incorporation into API documents (e.g. 17D) and no duplications of efforts between various standards development organizations.

11. SC21 and Materials Update– Bruce Witwer (Attachment 04)
    • Recap of Roundtable Discussion
12. Update on SC18, Subcommittee on Quality, Task Group Liaison: Mohsen Shavandi (Attachment 05)
   • Summary of ongoing activity and open action items from the subcommittee provided as per the attached report.

13. International Involvement: Jens-Henrik Neuenkirchen
   • Goal to maximize international participation in API standardization work.

14. Task Group / Project Lead Reports

   a) API 17A: Subsea Production Systems
      • The Task Group report was given by Ed Knerr (Attachments 06)
      • Document is currently out for ballot.
      • Motion was made for 2-year extension in case current ballot process extends beyond December 2016 (required action date for this edition of the document). Seconded. Motion passed (with no dissent)

   b) The Task Group report was given by John Bednar (Attachment 07)
      API 17L1: Specification for flexible pipe ancillary equipment
      API 17L2: Recommended practice for flexible pipe ancillary equipment
      • No outstanding actions

      API 17J: Recommended practice for flexible pipe
      API 17B: Specification for unbonded flexible Pipe
      • No outstanding actions

      API 17K: Specification for Bonded Flexible Pipe
      • SRRR submitted for approval to develop the next edition of the document.

   c) API 17D: Subsea Production System
      • The Task Group report was given by Ross Frazer (Attachments 08)
      • Motion was made for 2-year extension. Seconded. Motion passed (with no dissent)
      • Waiting on IOGP JIP 33 publication for review and incorporation as appropriate.
      • Action: Task group is to consider referencing API 20E and API 20F.

   d) API 17E: Subsea Umbilical
      • The Task Group report was given by Ed Baniak (Attachment 09)
      • The document is out for re-ballot to validate changes required from the 1st ballot. Previous ballot negatives have been withdrawn in conjunction with comment resolution.

   e) API 17TR9: Subsea Umbilical Termination (SUT) Selection and Sizing Recommendations
      • The Task Group update was given by Ed Baniak
      • Re-ballot is open for review and comment. Previous ballot negatives have been withdrawn in conjunction with comment resolution.

   f) API 17Y: Chemical Injections
      • The Task Group report was given by Farah Saidi (Attachments 10 and 10a)
      • Estimated completion and go to ballot at the end of 2017.
      • No outstanding actions
g) API 17F: Subsea Production Control Systems
   • The Task Group report was given by Christopher Curran (Attachment 11)
   • Estimated first draft of the next edition is proposed for the end of 2016.
   • No outstanding actions

h) API 17G: Completion Workover Riser
   • The Task Group report was given by Brian Skeels (Attachment 12)
   • Task group draft has been split into two documents: 17G addresses product manufacturing and the new 17G1 addresses operations and maintenance.
   • 17G is to be out for ballot in July 15th, 2016 with 8-week review cycle.
   • 17G1 will be out for ballot on August 15th, 2016 with 8-week review cycle.
   • Motion was made for 2-year extension of current 17G reaffirmation. Seconded. Motion passed (with no dissent)
   • Baby G’s reports were provided as follows:
     1) 17G2 - Subsea Pumping Well Intervention Systems
        (a) Draft of 17G2 completed - being formatted for ballot by API, should be ready for industry comment ballot in July 2016
     2) 17G3 – Subsea Well Intervention Systems using Non-Ferrous Alloys
        (a) Draft of titanium materials completed - out for industry comment ballot, closing July 29, 2016
        (b) Draft of aluminum materials completed - out for industry comment ballot, closing July 29, 2016
        (c) Motion was made for swapping of “G3” designation. Seconded. Motion passed (with no dissent). SRRR submitted to approve this re-designation by API.
     3) 17G4: Riserless Subsea Well Intervention Systems (Attachment 13)
        • Document is out for comment ballot, closing August 4th.

i) API 17H: ROV Intervention
   • The Task Group report was given by Terry Cook (Attachments 14 and 14a)
   • Task group has developed 17TR15 and document has passed API ballot. Comment resolution is in process.
   • Contents of 17TR15 will eventually be incorporated into the next edition of API 17H
   • AUV is to be incorporated into the next edition of API 17H
   • No new action.

j) API 17Q: Subsea Qualification
   • The Task Group report was given by Man Pham (Attachments 15 and 15a)
   • Coordinating with 17N Co-Chairs, API and SC17 Leadership on the approach to ensure a smooth transition of contents (Annex B, D, F) from 17N to 17Q. (This agreement to be covered under 17N report)
   • Task group goal is for comment ballot in 3Q16

k) API 17N: Subsea Reliability
   • The Task Group report was given by John Bednar (Attachments 16 and 16a)
   • Ballot passed and document under comment resolution.
   • No outstanding actions

l) API 17P: Subsea Structures and Manifolds
   • The Task Group report was given by Terry Cook (Attachments 17 and 17a)
   • Working on Material section
• Draft should be completed by end of 2016
• 2nd Edition should be completed in 2017 and ready for ballot
• No outstanding action

m) API 17R: Flowline Connections
• The Task Group update was given by John Bednar (Attachment 18)
• 17D will confirm alignment with 17R.
• No outstanding action

n) API 17W: Capping Stack
• The Task Group update was given by John Bednar (Attachment 19)
• API 17W 1st Edition was published in 2014
• No outstanding actions

o) API 17X: Recommended Practice on Subsea Pumping Systems
• The Task Group report was given by Dan Friedemann (Attachment 20)
• Consider if “compression” is applied to gas reservoirs and “boosting” is applied to oil reservoirs.

p) API 17TR8: HPHT Design Guidelines
• The Task Group report was given by Brian Skeels (Attachment 21)
• Intent to have 2nd Edition draft ready by 3Q16 for comment ballot.

q) API 17TR7: Verification and Validation of Subsea Connectors
• The Task Group report was given by Jim Kaculi (Attachment 22)
• Intent to have 1st Edition draft ready for ballot soon after standards conference.

r) API 17Z: Bonded Composite Pipe
• The Task Group report was given by John Bednar
• API provided guidance on the need to better separate the content of DNV document material (currently published) that is being used as the basis for 17Z. Task Group is to review these recommendations.
• **Action:** Task group to decide by next meeting (Winter 2017) the final direction of 17Z relative to DNV RP F119.

s) API 17O: HIPPS
• The Task Group report was given by Christopher Curran (Attachment 23)
• API 17O published in 2014
• No current or planned activities
• No outstanding actions

T) API 17U: Wet and Dry Thermal Insulation
• The Task Group report was given by John Bednar (Attachment 24)
• API 17U published in February 2015
• No outstanding actions

u) API 17V: Subsea Safety
• The Task Group report was given by Christopher Curran (Attachment 25)
• API 17V published in March 2015
• No outstanding actions
15. New business:
   a) John Bednar announced the new SC17 Chairman – Terry Cook (Shell)
   b) John Bednar’s vision for path forward for SC17:
      - Quality of documents
      - Universality of standards
      - Enthusiasm by committee/task group members
      - Simplicity of documents
      - Timing of standards/documents development

16. Upcoming Meeting:
   - 2017 API Exploration and Production Standards Conference on Oilfield Equipment and Materials, Summer Meeting, Calgary, AB Canada, June 2017.
   - 2018 Winter Meeting – Houston, TX, January 2018

17. The meeting adjourned at 11:30 am