MINUTES
API Subcommitteee 17 (SC17)
Subsea Production Equipment
2019 Summer Committee Meeting
Hyatt Regency New Orleans
Tuesday, June 25, 2019

Jeff Jones, Chairman
Ray Stawaisz, Co-Chair
Brian Skeels, (Co) Vice-Chairman Andrew Grohmann, Liaison - Materials
Ross Frazer, (Co) Vice-Chairman André Maerli, Liaison - API International Standards
Man Pham, (Co) Vice-Chairman Craig Smith, Secretary

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 overview.

2. Adoption of Proposed Agenda for API Summer 2019 Meeting:
Motion was made and seconded to approve. Motion passed.

3. Attendance and Rosters - Roll call of attendees/rosters.
   a. API Antitrust Reminder Guidelines slide was reviewed.
   b. A roll call was completed and confirmed that there was a quorum of 19 present for this meeting (a minimum of 15 is required)
   c. Review of SC17 Membership details list (address, phone number), any corrections to the list was requested
   d. The updated SC17 Voting Representation Listing was presented (Attachment 01)
   e. The API Work Group Leads Contact List was presented (Attachment 02)

4. Adoption of minutes from API Winter 2019 [Houston]: Motion was made and seconded to approve without changes. Motion passed.

5. Summary Status of Work - Work Matrix Review. The Subcommittee 17 Standards Status Matrix (Attachment 03) was reviewed. Document available on the API committees’ website.

6. Task Group (TG) / Project Lead Reports
   a) API 17A: Subsea Production Systems
      • The Task Group update was given by John Allen on behalf of the chair (Attachment 04)
      • No Outstanding Actions
b) Flexible Pipe Specifications
   - The TG report was provided by the Ed Baniak on behalf of the TG chair (Attachment 05)

API 17B: Recommended practice for flexible pipe
   - Motion made, seconded and passed to request 2 year extension for document.

API 17J: Specification for Unbonded Flexible Pipe
   - Motion made, seconded and passed to request 2 year extension for document.

API 17K: Specification for Bonded Flexible Pipe
   - No outstanding actions

API 17L1: Specification for flexible pipe ancillary equipment
   - Ballot Comments are being addressed. Expected to publish by year end.
   - No outstanding actions

API 17L2: Recommended practice for flexible pipe ancillary equipment
   - Ballot Comments are being addressed. Expected to publish by year end.
   - No outstanding actions

API 17TR2: The Aging of PA-11in Flexible Pipe
   - Expect to Submit SRRR in 2020 for revision
   - No outstanding actions.

**Action:** Chair to request of CSOEM for a 2-year extension for 17 B and 17J.

c) API 17D: Subsea Production System
   - The TG report was given by the co-chair Brian Skeels (Attachment 06).
   - Ballot draft is planned for release in Q3 2019
   - Motion made, seconded and passed to request 1 year effective date for the 3rd edition
   - Motion made, seconded and passed to open an addendum ballot for 17D 2nd edition
     to replace Normative Reference of ISO 10423 and replace it with API 6A 20th edition

**Action:** Chair to request of CSOEM for 1-year effective period once 17D, 3rd ed publishes

**Action:** Chair to request of CSOEM approval for an addendum ballot and API to open
addendum ballot to replace Normative Reference of ISO 10423 and replace it with API 6A 20th edition

d) API 17E: Subsea Umbilical
   - The TG report was given by the Ed Baniak on behalf of TG chair (Attachment 07).
   - Task Group is looking several changes /updates to the document. A SSSR will be
     raised in near future to facilitate changes.

e) API 17F: Subsea Production Control Systems
   - The TG report was given by the TG chair. (Attachment 08).
• Document was published in 2017.
• No outstanding actions.

f) API 17G Series for Subsea Well Intervention Systems
• The TG overview summary for all 17G series of documents were given by the TG chair of 17G (Attachment 09, Attachment 09A, Attachment 09B and Attachment 09C).

API 17G: Std for Design and Manufacture of Subsea Well Intervention Systems
• Currently out for limited distribution ballot due July 18th. Expect to publish Q3
• No outstanding actions.

API 17G1: System Configuration and Operation of Subsea Well Intervention Systems
• Kick off for recommencement of activities is planned in Sept 2019. Will align with 17G and perform comment resolution of old ballot.

API 17G2 - Subsea Pumping Well Intervention Systems.
• Workgroups formed. Targeting ballot draft submittal to API: November 2019
• No outstanding actions.

API 17G3 – Subsea Well Intervention Systems using Non-Ferrous Alloys.
• On hold for release of 17G
• No outstanding actions.

API 17G4: Riserless Subsea Well Intervention Systems.
• On hold for release of 17G
• No outstanding actions.

API 17G5: Intervention Work Over Control System (IWOCS)
• Document ready to publish
• Action from Winter 2019 meeting is ongoing

API 17TR14 Global Riser Analysis
• Approval was granted by CSOEM to create a technical report based on an addendum currently in development under 17TR1.
• Document is in development

g) API 17H: ROV Intervention
• The TG report was given by the TG chair (Attachment 10 and Attachment 10A).
• 3rd edition is at press currently.
• No outstanding actions

h) API 17N: Subsea Reliability
• The TG report was given by the TG chair (Attachment 11).
• A comparison of the requirements of 17N and 17Q is underway to identify overlaps and gaps.

i) API 17O: HIPPS
• The TG report was given by the TG chair (Attachment 12)
• Document was reaffirmed for another 5 years
- No outstanding actions.

j) API 17P: Subsea Structures and Manifolds
   - The TG report was given by the TG chair (Attachment 13 and Attachment 13A).
   - The 2nd edition has been published.
   - No outstanding actions.

k) API 17Q: Subsea Qualification (Attachment 14)
   - The TG report was given by the TG chair
   - Discussion around whether a representative data sheet should be included.
   - TG approved the submission of SRRR for Addendum to 17Q to add data sheets
   - No outstanding actions.

**Action:** Chair to submit to CSOEM an SRRR for an addendum to document to include data sheets.

l) API 17R: Flowline Connections
   - The TG report was given by the TG chair (Attachment 15 and Attachment 15A)
   - Task group has approx. a dozen comments to address. Attempt to ballot by end of 2019.
   - No Outstanding actions

m) API 17S: Subsea Metering.
   - No report was given
   - No Task Group Status report was available.
   - Several volunteers have come forward to chair this group. Jeff Jones will decide.

n) API 17U: Wet and Dry Thermal Insulation of Subsea Flowlines and Equipment
   - The TG report was given by the TG chair (Attachment 16)
   - Chair is looking for participants
   - Action from Winter 2019 meeting is still open

o) API 17V: Subsea Safety
   - The TG report was given by the TG chair (Attachment 17)
   - No outstanding action items

p) API 17W: Capping Stack
   - The TG report was given by the TG chair (Attachment 18).
   - The TG met to consider revising the document. There was enough interest to work on a second edition
   - Motion was made, seconded and passed to submit SSR requesting a 2year extension while work proceeds on revision

**Action:** Chair to request of CSOEM a 2-year extension for current document while work progresses on revision

**Action:** Chair to submit to CSOEM an SRRR for revision of the document to the 2nd edition.

q) API 17X: Recommended Practice on Subsea Pumping Systems
The TG report was given by Charles White on behalf of the TG chair [Attachment 19 and Attachment 19A].
Document was balloted and comments resolution is still ongoing. Expected to reballot in 3rd qtr.
No outstanding actions.

r) API 17Y: Chemical Injections
- The Task Group report was given by Ed Baniak for the TG chair
- No report was submitted
- Document was balloted and passed. A re-ballot will likely be required due to the number of comments received.
- No outstanding actions.

8. Old and New business:
- Old business.
  o Action: SC17 Chair to meet with TG chair of 17H/P to create a SRRR for a new standard addressing subsea electric actuators, transformers and motors by the summer meeting: Discussed at Roundtable
  o Action: SC17 secretary to submit a SRRR to review flange loads in 17D for normal, extreme and severe loadings by the summer meeting: Discussed at Roundtable. Lots of interest in having loads available but no vote taken. It was proposed that this may fall under work of the API 6AF3. I attended the SC6 Meeting and it was clear it does not.
  o Action: SC17 secretary to submit a SRRR to review tolerances and dimensions of 17D flanges to ensure face to face contact by the summer meeting. Also discussed at Roundtable Meeting with lots of Interest. No vote.
- New Business: None

9. Upcoming Meetings:
   a. 2020 Winter Meeting in Houston: Date to be determined
   b. 2020 Summer Meeting at API Standards Conference in Washington, DC, June 29-July 3

10. The meeting adjourned at noon.