MINUTES

API Subcommittee 17 (SC17)
Subsea Production Equipment
2019 Winter Committee Meeting
DNV GL, 1400 Ravello Drive, Katy, Texas
Tuesday, January 15, 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. Special thanks were given to Ed Knerr for his past service as Co-Chair. The chair also reiterated the QUEST vision for SC17 Subcommittee (Quality, Universality, Enthusiasm, Simplicity and Timeliness).

2. Adoption of Proposed Agenda for API Winter 2018 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 22 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 2018 [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. SC18 Liaison Update- Subcommittee on Quality
   - Update on Subcommittee 18 activities was provided.
   - Monogram program board liaison described proposed changes to the Monogram Program
7. Task Group (TG) / Project Lead Reports

a) API 17A: Subsea Production Systems
   - The Task Group update was given by Ed Knerr on behalf of the chair
     
     **Action:** Task group leadership to identify a single, new TG Chair moving forward

b) Flexible Pipe Specifications
   - The TG report was provided by the TG chair ([Attachment 04])

   API 17B: Recommended practice for flexible pipe
   - Motion made, seconded and passed to submit SSSR for revision.
   - If the TG determines that no revision is required, the TG will request reaffirmation at the summer meeting.

   API 17J: Specification for Unbonded Flexible Pipe
   - Motion made, seconded and passed to submit SSSR for revision
   - If the TG determines that no revision is required, the TG will request reaffirmation at the summer meeting

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

   API 17L1: Specification for flexible pipe ancillary equipment
   - 2-year extension was granted based on a recommendation from the Summer 2018 SC17 meeting in Denver
   - Motion made, seconded and passed to submit SSSR for revision

   API 17L2: Recommended practice for flexible pipe ancillary equipment
   - 2-year extension was granted based on a recommendation from the Summer 2018 SC17 meeting in Denver
   - Motion made, seconded and passed to submit SSSR for revision

   API 17TR2: The Aging of PA-11in Flexible Pipe
   - No outstanding actions.
     
     **Action:** Chair to submit four (4) SSSRs as identified above.

c) API 17D: Subsea Wellhead and Trees
   - The TG report was given by the TG chair ([Attachment 05]).
   - Ballot draft is planned for release in Q2 2019
   - No outstanding actions

d) API 17E: Subsea Umbilical
   - The TG report was given by the TG chair ([Attachment 06]).
   - Task Group is looking at proposing a change to 17E that would incorporate TR9 and TR10.
   - No outstanding actions.
e) API 17F: Subsea Production Control Systems
   - The TG report was given by John Allen on behalf of the TG chair. (Attachment 07).
   - 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 08, Attachment 08A and Attachment 08B).
   - Individual chairs present for the other 17G-series document added to this summary as appropriate.

API 17G: Std for Design and Manufacture of Subsea Well Intervention Systems
   - Ballot passed (Jan 10th). Will go thru Comment Resolution by end of Q1.
   - No outstanding actions

API 17G1: System Configuration and Operation of Subsea Well Intervention Systems
   - Will define schedule by end of Q1 2019 for draft submittal
   - Motion approved to create an SSSR for a separate TR based Global Riser Analysis (currently Annex B of 17G1).

   **Action:** Chair to provide SSSR for Global Riser Analysis TR

   - Will define schedule by end of Q1 2019 for draft submittal.
   - No outstanding actions.

API 17G3: Subsea Well Intervention Systems using Non-Ferrous Alloys.
   - Will define schedule by end of Q1 2019 for draft submittal
   - No outstanding actions.

API 17G4: Riserless Subsea Well Intervention Systems.
   - Will define schedule by end of Q1 2019 for draft submittal.
   - No outstanding actions.

API 17G5: Intervention Work Over Control System (IWOCs)
   - Ballot passed (Jan 10th). Will go thru Comment Resolution by end of Q1.

   **Action:** API staff to coordinate the simultaneous release of 17G5 with that of 17G.


g) API 17H: ROV Intervention
   - The TG report was given by the TG chair (Attachment 09 and Attachment 09A).
   - 3rd edition Ballot passed with comments, comments were resolved, and document has been sent to API for publication.
   - Motion made, seconded and passed to request a two-year extension of the current (2nd edition) document pending the publication of the 3rd edition, if required

   **Action:** SC17 Chair to confirm with CSOEM if a 2-year extension is needed.

h) API 17N: Subsea Reliability
   - The TG report was given by the TG chair (Attachment 10).
   - 17N was published last year and an addendum was published last year.
   - Task Group currently comparing terminology between 17N and 17Q for alignment.
   - Questionnaire to be sent out requesting Operator involvement in this activity
   - Task Group Status report was available.

   **Action:** API staff to arrange for a copy of 17N to be sent to the 17N contractor for review.
i) API 17O: HIPPS
   - The TG report was given by Jeff Jones on behalf of the TG chair (Attachment 11).
   - Task Group Status report was available.
   - Motion was made, seconded and approved to reaffirm document.
   **Action:** TG chair to check with BSEE about any desired changes/concerns needed in 17O.

j) API 17P: Subsea Structures and Manifolds
   - The TG report was given by the TG chair (Attachment 12 and Attachment 12A).
   - The 2nd edition draft document was sent to API in May 2018 for publication, currently with editor and should publish soon.
   - No outstanding actions.

k) API 17Q: Subsea Qualification (Attachment 13)
   - The TG report was given by the TG chair
   - Document published last year.
   - Task group actively seeking comments on the document now that it is out for use.
   - No outstanding actions.

l) API 17R: Flowline Connections
   - The TG report was given by the TG chair (Attachment 14)
   - Motion was made, seconded and passed to raise an SSSR to revise document based on Industry comments received.
   **Action:** TG chair to provide an SSSR to start revision process for 17R.

m) API 17S: Subsea Metering.
   - No report was given.
   - No Task Group Status report was available.
   **Action:** SC17 chair to reaffirm that the TG chair is still interested in the chair assignment.

n) API 17U: Wet and Dry Thermal Insulation of Subsea Flowlines and Equipment
   - The TG report was submitted by the TG chair (Attachment 15)
   - The report was reviewed
   **Action:** SC17 leadership team to contact TG Chair to request an SSSR for revision of 17U, if needed.

o) API 17V: Subsea Safety
   - The TG report was given by Jeff Jones on behalf of the TG chair (Attachment 16)
   - No outstanding action items
   **Action:** TG chair to check with BSEE about any desired changes/concerns.

p) API 17W: Capping Stack
   - The TG report was given by the TG chair (Attachment 17).
   - First Edition was published in 2014
   - TG chair to review the need for revision of the document and report at the summer

q) API 17X: Recommended Practice on Subsea Pumping Systems
   - The TG report was given by Charles White on behalf of the TG chair (Attachment 18 and Attachment 18A).
   - Document was balloted and comments are currently being addressed. Expected to re-ballot in 1st qtr.
   - No outstanding actions.
r) API 17Y: Chemical Injections
   - The Task Group report was given by the TG chair (Attachments 19)
   - Document is being formatted for ballot which should open soon.
   - No outstanding actions.

8. Old and New business:
   - Old business.
     None
   - New Business:
     - **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
     - **Action:** SC17 secretary to submit a SRRR to review flange loads in 17D for normal, extreme and severe loadings by the summer meeting
     - **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

9. Upcoming Meetings:
   a. 2019 API Summer Meeting in New Orleans, Louisiana on June 24-28, 2019
   b. 2020 in Houston, TX in January 2020

10. The meeting adjourned at 2:38 pm.