Fracture Mechanics Subcommittee of API 1104

Minutes

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1. Introduction – Sign-up sheet
   a. Number of participants in the afternoon of 1/18/2017: 39
   b. Number of participants in the morning of 1/19/2017: on the sign-up sheet of the Reeling TG

2. Adoption of agenda
   a. The draft agenda was adopted.

3. Criteria for voting members of FM subcommittee
   a. Those who participated at least 2/3 of the number of subcommittee meetings in past three years,
   b. Those who actively are actively working on and participating committee matters, or
   c. Individual designated by a voting member through proxy. Advanced notice to subcommittee co-chairs prior to the start of the API 1104 meeting is needed.
   d. Receiving subcommittee e-mails or other form of communication alone is not counted as participation.
   e. First time participant without demonstrated history of participation or contribution is not a voting member.

4. Interpretation on the applicability of Annex A on counterbore joint. Recommendation forwarded to committee chair and ITG.
   “Yes” to the question posed.
   The subcommittee noted the following points.
   a. Keep sufficient counterbore length, even after cutouts in the field. Criteria for minimum counterbore length exist in public-domain literature.
   b. Treat the pipe materials on two sides of the girth as two materials in qualification tests, such as HAZ CTOD tests.

5. Continued review to develop criteria for ductile behavior in Charpy tests.
   a. Extensive discussions
   b. Presentation made by Yong-Yi Wang
   c. Draft language will be developed and reviewed in the coming months.

6. List of work items for the revision of Annex to support the publication of 22nd Edition
7. Strain-based ECA

Doug Fairchild made a presentation. The slides are attached.