Minutes of Meeting – API SC16

1. Meeting was called to order at 8:05 in the Columbia Foyer conference room.
2. Attendance Sheet circulated (see Attachment A)
3. Safety Minute
4. Review of meeting Agenda (see Attachment B)
5. Request for a volunteer for SC16 secretary
6. SC16 voting (Ed Baniak, API) presentation of SC16 voting groups. Requirements for the voter include being a subject matter expert (SME) and active participation in API SC 16 and one voting member per company. Overview included an objective to achieve balance in the voting group. Two voting groups in SC16 based on subject matter. Explanation of the process of how a document reaches approval for publication. Committee members who are not voters are asked to participate in the ballot process by supplying comments; these must be resolved before the document can be published. Proposed initial voting roster was presented (see Attachment C)
7. Review Summary Status of Work - Work Matrix
   Reviewed the Matrix and recommended that the 16D and 16RCD be Balloted for reaffirmation (see Attachment D)
8. Read minutes of previous meeting (Winter 2013 Conference meeting in New Orleans, LA).
   - Minutes were approved (see Attachment E)
9. Presentation of Spec 16A current status by John Busby (see Attachment F)
   - Discussion of the removal of 25K and 30K BOP ratings; there is not a consensus on the requirements, there is activity in 17 TR8 that would address these discrepancies. Concern is that there is a 25K in service, the industry is moving into higher pressures, and the need to have a design standard in place.
   - Discussion on shear pressure to align with S53; the statement in S53 is a ‘should’ (re: 90% of operator RWP)
   - Comments that ‘16A equipment’ is being used ‘outside the scope of the standard’, e.g. work-overs, etc. (17G). [Also capping stacks, 17W]
   - Bolting committee to agree on a maximum hardness of 35 Rc. Suggest that besides 16A, 6A, 17A, and 16F that are listed, include 20E, 20F due to similar applications; there may be other groups to consider.
   - Review of psia/psig/psid. Discussion on correlation with 17G, difference is production will have one water depth per application, whereas 16A (et al) equipment will have various water depths and therefore must design for maximum conditions. 17G does agree that they need to correlate with 16 for similar applications
   - Briefly discussed ‘permanent marking’, need to define ‘permanent’.
   - Discussion that the 16A flange design is no longer adequate for some subsea applications; need to address these issues, possible to correlate with 6AF (currently not on 6A’s docket).
   - Request for task group volunteers, need SME’s for elastomers and welding
   - Next 16A meeting in about 3 weeks.
10. Presentation of Spec 16C current status (John W. McCaskill-Chairman, not able to attend), presented by Kent Grebing (see Attachment G)
   - Second Edition draft created
   - EE rating of the valves discussed and will need to be resolved
   - Next 16C meeting at TIEC in Houston July 23rd, scheduled for 9:00 AM to 3:00 PM.

11. Presentation of Spec 16D current status by Brian Wright (see Attachment H)
   - Need clarification as to current status of 16D Second Edition; believed it was re-affirmed in 2010.
   - Request to capture gaps between 16D and S53 during this process.
   - Evaluate using SC18 for welding requirements in 16D.
   - Discussion on FVR for Land rigs: If shear rams installed, dedicated accumulators required. Main accumulators to meet S53 drawdown test.
   - Discussion of coiled tubing and BOP controls stated that wanted to follow 16D until requirements were reviewed.
   - Next 16D meeting at Chevron in Houston July 16th, scheduled for 9:00 AM to 4:00 PM.
   - Next 16D EE/Software task group meeting in Houston July 10th.

12. Presentation of Spec 16F current status, George Tisdale 16F chair (see Attachment I); and RP 16Q, and Spec 16R, David Lewis chair (see Attachment J), both presented by Kent Grebing
   - Have had five meetings since the winter conference
   - Discussed issues with current document (welding, volumetric inspection methods, QC, etc.)
   - Proposed that a schematic drawing of stack and indicate which API document applies to the equipment shown.
   - Request for a committee roster; who to contact. It was stated that there is good participation, but that there were some resource needs.
   - Next 16F meeting TBD.

13. Presentation of RP 16ST, Alex Sas-Jaworsky chairman (see Attachment K) presented by Kent Grebing
   - Discussion of well control (Brian Wright); control systems run off the hydraulic pumping system (could be diesel). No level of system integrity, no redundancy, does not meet 16A/S53 close times. Cold temperature is 20°F. Case of it took 20 minutes to close a volume of 1.5 gallons; actually went to lunch. (viscous fluid through a small diameter).
   - Next 16ST meeting TBD.

14. Presentation of 16 RCD, Martin Culen chair (see Attachment L) presented by Kent Grebing
   - Document has been presented to API; Ed Baniak states that API does not have the document. Follow up item.
   - Discussion that this is a spec, however some items appeared to be operational issues. Clarification that the statements were for infield testing to ensure equipment was fit for purpose.
   - Next 16RCD meeting September 12 and 13th at TIEC, Houston.

15. Presentation of Std 16AR, presented by Van Wijk, chairman with Chris Johnson, Co-chair also present (see Attachment M)
   - This is a first edition; expect numerous comments during the ballot process.
   - Online meeting on welding scheduled for July 2 and July 11th.
   - Next 16 AR meeting August 29th, should be TIEC Houston, may be at Shell Woodcreek, NOV, or ABS.

16. Presentation of S 64, presented by Tony Hogg, chairman (see Attachment N)
   - Current focus on floating rig use will include surface use. Do not expect a ballot draft by the end of the year.
   - Next S 64 meeting July 18th, at TIEC Houston.

17. Old Business – Standards conference at BSEE last November (Ben Coco – BSEE).
   - Beginning of an annual conference to get dialog between industry and BSEE
   - Discussed industry standards as basis for regulatory requirements
   - Also provided opportunity for API to meet with and better understand BSEE’s structure.
   - Feedback welcome
   - Next conference is expanded and tweaked. Second Standards meeting November 5 and 6th

18. New Business
A. Industry studies (Frank Gallander): Two industry studies currently ongoing, operators are involved (in addition to internal evaluations). How we document reliability. Industry is not consistent in how this is recorded, main issue is level taxonomy. Possibly 17N may address this issue. Per 2009 BSEE study, reporting is very good (99%). Need to be consistent on what a failure is; needs a standardized method to capture this data for analysis. Comment: IADC has forms for this, if not acceptable as I may be used as a basis. The original database was for BOPs, but it was not used.

Comment: SC17 meeting tomorrow concerned subsea reliability; this may be used as a basis for reliability in SC16. Comment: If study is publicly funded, it will be available for review. BSEE (Ben Coco) stated that to his knowledge this will be published.

B. Status of API 16AS: A new document to provide an integration document of the 16 documents as to apply to a sack. A basis document is IADC section 3 that is a good starting point. Action item – have an Abstract for this document by the winter meeting. May need task groups from the SC16 committees provide interface points.

19. Next meeting.
   • The winter conference will be held January 20-24, 2014 in Addison, Texas (near Dallas).
   • The next summer conference will be held June 16-20, 2014 in Chicago, Illinois.

20. Meeting adjourned