API 16A
Winter Meeting Jan - 2017

API 16A Chairman: John Busby
Co-Chair: Leonard Childers
Co-Chair: Jim McCabe
API 16A Status

- 3rd Edition / June 2004 / Effective Date: December 1, 2004
- Reaffirmed: August 2010
- Present Status of 4th edition ballots
  - 1st ballot received 746 comments
  - 2nd ballot received 360 comments
  - 3rd ballot (Nov. 2016) 184 comments
    - Expect to return to API in January, 2017
3rd Ballot Summary

API Ballot Summary Sheet 16A 4th Ed Reballot Ballot ID: 4000

Start Date: 10/28/16  Closing Date: 11/28/16  Associate: E Baniak

Balloting Totals: 25 affirmative, 2 negative, 1 abstain, 6 did not vote

Approval Rate (Affirmative / [Affirmative + Negative]): 93%

Consensus: Yes
API 16A Rev 4 Draft Key Changes

- Updated Temp chart (eliminated rating X)
- Added Minimum Design Qualification Criteria (PR1 & PR2 levels)
- Several validation tests added and modified (1/3 of sections 4-9)
  - Protocols made normative
  - New continuous temperature test and rating
  - Added MOPFLPS
  - Added diametrical, off-center shearing range and side-load
- Added material requirements and testing requirements for pressure controlling parts
- Bolting per API 20E & 20F
- Updated QA requirements
- Drilling Connector Capacity Reporting
- Technical Data Sheets added
API 16A 5th Edition Topics

- Closing on Flow Qualification
- Sealing Gas Qualification
- Closing on Odd shapes
- Differentiate surface and subsea equipment (incorporate 17 TR 12 rating)
- Update connectors (align with API 17 TR7)
- Ram position indicators
- Elastomer QA requirements
- Expanded Shear Testing
- 5 Year marking requirements
- Forging Specifications (address API 20B, etc.)
- BOP Instrumentation
- NACE related updates
<table>
<thead>
<tr>
<th>Topic</th>
<th>Chairs</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Close on Flow and Shearing (Wijk, Whitby)</td>
<td>J Liotta, T Pollock</td>
<td>B. Holland, Ian Barker, B. Carbaugh</td>
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<td>Sealing Gas (Matt Givens)</td>
<td>J Liotta, A Smith, F. Moura, L Childers, Ian Barker, Ben Riley, F Gallander</td>
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<td>Closing on odd shapes (GE)</td>
<td>NOV Rep. per JL Ben Riley, Ben Riley, Pete Bennett</td>
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<tr>
<td>Surface/Subsea, 17TR12/differential pressure (Jim Raney, Chris Johnson)</td>
<td>Shafiq Khandoker, L Childers, B. Holland, K Kasse, R Biel, K. Young, R Robles, J Liotta, B Meeks, P Bunch, K Murphy, T Vu, J Robnett, O Lyle, T Hogg</td>
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<tr>
<td>HPHT (Jim Raney and J Ellens)</td>
<td>J Liotta, Shafiq Khandoker, L Childers, B. Holland, K Kasse, R Biel, K. Young, R Robles, J Liotta, B Meeks, P Bunch, K Murphy, T Vu, J Robnett, O Lyle, T Hogg</td>
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<td>Hydraulic Connectors (Jim Kaculi)</td>
<td>Ben Riley, Shafiq Khandoker, S Khandoker, T Hogg</td>
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<td>RPI (Chris Johnson, Matt Givens)</td>
<td>O Lyle, T Hogg</td>
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<td>Elastomer Requirements (LC, Bill Carbaugh)</td>
<td>J Liotta, O Lyle, Sam Mahon, Ian Barker</td>
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<td>Long Life Marking (N Arteaga, Mark Rillema)</td>
<td>T Hogg, O Lyle</td>
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<td>Bolting (Harish Patel)</td>
<td>L Childers, T Haeberle</td>
<td>Eric Davidson, Pete Bennett</td>
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<td>High Pressure Testing (Miser and Patel)</td>
<td>T Hogg, L Childers</td>
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<td>Forging Specifications (Patel)</td>
<td>Pat Nowak, T Tressler</td>
<td>Eric Davidson</td>
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<td>Nace consideration</td>
<td>Tim Haeberle</td>
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