# API Ballot Summary Sheet

**Ballot:** 22-03: 653-159. Repad Replacement  
**Start Date:** 12/18/02  
**Closing Date:** 3/10/03  
**Associate:** Roland Goodman

<table>
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<th>Voter</th>
<th>Company</th>
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<th>Abstain</th>
<th>Did Not Vote</th>
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**API Ballot Summary Sheet**

**Ballot:** 22-03: 653-159. Repad Replacement

<table>
<thead>
<tr>
<th>Voter</th>
<th>Company</th>
<th>Comments</th>
<th>Affirmative</th>
<th>Negative</th>
<th>Abstain</th>
<th>Did Not Vote</th>
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<td>134782</td>
<td>Steve Caruthers Tank Consultants, Inc.</td>
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<td>John Lieb Tank Industry Consultants, Inc.</td>
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<td>Randy Kissell TGB Partnership</td>
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**Balloting Totals:**
- **Affirmative:** 29
- **Negative:** 1
- **Abstain:** 1
- **Did Not Vote:** 8

**Total Responses:** 31
**Total Ballots:** 39
**Response Rate:** 74% Must be > 50%
**Approval Rate:** 97% Must be > 67%
**Consensus:** YES
<table>
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<tr>
<th>Voter/Commenter</th>
<th>Company</th>
<th>Section No. (e.g. 3.1)</th>
<th>Type of comment</th>
<th>Proposed Change</th>
<th>Comment (justification for change)</th>
<th>Comment Resolution</th>
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<tbody>
<tr>
<td>Douglas Miller</td>
<td>Chicago Bridge &amp; Iron Company (CBI)</td>
<td></td>
<td>Technical</td>
<td>1) Delete third inserted sentence. Figures 9-3A and 9-3B are clear enough that telltale holes are required for both upper and lower half of repad and if an existing tell-tale hole is above the repad splice weld then a “new” hole is not needed. 2) Fourth inserted sentence: It is unclear whether the shell plate thickness requirement under the telltale hole refers to plate thickness before or net thickness after drilling a new hole (if needed). 3) For brevity, I suggest that “tell-tale hole” alone is enough. No need to say “tell-tale hole or drilled hole and welded pipe coupling for the pneumatic test” 4) In third from last sentence of the section: Move the words “to be replaced” so sentence reads, “The welds to be replaced around the perimeter of the reinforcing plate and between the reinforcing plate and neck…” That way for welds at both ID and OD of the pad, only welds to be replaced must be removed.</td>
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<tr>
<td>John Fumbanks</td>
<td>Pond and Company Inc.</td>
<td></td>
<td>Technical</td>
<td>Reword to clearly indicate that this applies to tombstone repads only</td>
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<td>Donald Thain</td>
<td>Shell Global Solutions (US) Inc.</td>
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<td>Technical</td>
<td>AS-IS - &quot;The welds around the perimeter of the reinforcing plate to be replaced and between the reinforcing plate and neck of the penetration shall be completely removed by gouging and grinding. &quot;  The way this is worded suggests that even the portion of the repad that is acceptable to be left, has to be gouged and rewelded around the neck of the penetration. I don't believe this is the intention</td>
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<td>Voter/Commenter</td>
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<tr>
<td>Randy Kissell</td>
<td>TGB Partnership</td>
<td>3.1</td>
<td>Technical</td>
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<td>Suggested wording changes: “When the upper half of the existing reinforcing plate meets the all requirements of API-650, then it can may be left in place with approval of the purchaser. In such a case, only the lower half of the existing reinforcing plate shall be removed and replaced with the new one. The existing upper half of the reinforcing plate shall be provided with a new tell-tale hole or drilled hole and welded pipe coupling for the pneumatic test. Shell plate thickness under the tell-tale hole or drilled hole shall not be less than ( \frac{1}{2} t_{min} ) as calculated in 4.3.3.1 plus any required corrosion allowance.”</td>
<td></td>
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<tr>
<td>Nelson Acosta</td>
<td>HMT, Inc.</td>
<td>9.9.2.2</td>
<td>Technical</td>
<td>Add new Para. 9.9.2.3 with wording now in italics. Add new Para. 9.9.2.4 starting with 1st sentence after italics end. Renumber existing Paras. 9.9.2.3 and 9.9.2.4.</td>
<td>I feel the item as written can lead to confusion of the reader/user. The added wording in italics in the center of the item as written should be a separate paragraph to eliminate confusion as to whether this portion can be applied to a detail that was previously thermally stress relieved. As it stands now, I believe some readers will simply use the added wording to justify allowing replacement of the lower half of a thermally stress relieved nozzle detail and I do not think that is the intent.</td>
<td></td>
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<tr>
<td>(1)</td>
<td>(2)</td>
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<td>Steven Adolphsen</td>
<td>Morse Construction Group, Inc.</td>
<td>9.9.2.2</td>
<td>Editorial</td>
<td>yes, with comments.</td>
<td>1. change ne wording from &quot;...only the lower half of the existing reinforcement plate shall be removed and replaced with the new one.&quot; to &quot;...removing only the lower half of the existing reinforcement plate and replacing it with the new one is an option&quot;. The ballotted wording implies that if the upper half is re-useable, then you MUST replace only the lower half.</td>
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<td>2. Correct typos on right half side of ballot (3 places). change Title and Purpose from &quot;9.2.2.2&quot; to &quot;9.9.2.2&quot;. change paragraph above Purpose from &quot;9.9.9.2&quot; to &quot;9.9.2.2&quot;.</td>
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<td>John Lieb</td>
<td>Tank Industry Consultants, Inc.</td>
<td>9.9.2.2</td>
<td>Editorial</td>
<td>Proposed 2nd sentence should be changed to read &quot;In such a case, only the lower half of the existing reinforcing plate need be removed and replaced with a new one.&quot; The third sentence should be changed to read &quot;The existing upper half of the reinforcing plate and the new lower section shall be provided with a telltale hole...&quot;</td>
<td>Wording could be improved. See suggestions below.</td>
<td></td>
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