Standards Resource & Research Request (SR3) Form  
Committee on Standardization of Oilfield Equipment & Materials  

**Document Information**

<table>
<thead>
<tr>
<th>Standard Designation:</th>
<th>API 6A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title:</td>
<td>Specification for Wellhead and Tree Equipment</td>
</tr>
<tr>
<td>Edition:</td>
<td>21st Edition</td>
</tr>
<tr>
<td>Budget Year:</td>
<td>2020</td>
</tr>
<tr>
<td>Proposed Action:</td>
<td>New Standard  Full Standard Revision  SC Work Item (SC only)</td>
</tr>
<tr>
<td>Proposed Funding Type:</td>
<td>CSOEM Budget Request  DPOS Budget Request  JIP/Special Solicitation</td>
</tr>
<tr>
<td>Total Funding Request (Parts A &amp; B):</td>
<td>$</td>
</tr>
<tr>
<td>Name ofSubmitter(s):</td>
<td>Stephen Muse, Jay Painter, David Zollo, Sterling Lewis</td>
</tr>
<tr>
<td>Date:</td>
<td>1/26/2020</td>
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**Part A – Resource Plan**

1. **Background and Information:**
   
   1. What is the scope of the proposed work or standard (for new documents/revisions) or proposed WG charge (for SC Work Items)?

   Technical changes, mostly material related, to clarify requirements in document. Most of these changes were originally part of Addendum 1 (already approved) to 6A 21st Edition but the task group required a higher level of participation from members with metallurgical expertise. In addition, resolution of these items was taking considerably longer time and hence holding back some urgent clarifications that were included in Addendum 1. The 14 items included in Addendum 1 were for the most part unrelated to the material items to be included with this addendum. This effort will also be chaired by a different person than the chair for Addendum 1.

   2. a. Explain the business need for the proposed action.  Indicate potential cost savings to industry where possible.
   
   b. What are the implications of not initiating the proposed action?  Include potential safety, reliability, environmental and financial impacts that may arise.

   a. API 6A 21st Edition introduced some new material heat treat requirements for QTC size for PSL 3 low alloy steels. The new requirements tied together the PSL, application and weight of material at the raw stage. Many queries and RFI's have been generated due to the complexity of the wording that was needed to implement these new requirements. Targeted data integrity tests given to users of the document and industry technical experts demonstrate that the language as it exists today is very confusing and prone to misinterpretation. Clarification of these confusing requirements will provide significant benefit to the industry by providing uniform consistency in the implementation and interpretation of these requirements. Early work on these topics when these were part of Addenda 1 demonstrated the need for either a flowchart or tables within the document to complement the language within the 6A specification. Several wording changes will also be required. This will help to eliminate product errors and needless audit findings by aiding consistent interpretation of the new requirements.
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b. If this work is not completed, requirements will remain unclear and interpretations will be required. Work should be completed prior to Summer Standards Conference-2020.

3. Is this standard on the work program of another standards development organization (SDO)?
   Yes ☐ No ☐ X ☐

If yes, specify SDO and standard designation/project title/contact

If yes, is the work being coordinated with the appropriate group? Are there special circumstances that would justify independent API initiation of the proposed action?

4. Are a volunteer chair and group of subject matter experts available to perform the proposed action?
   Please indicate a chair and include names and company affiliation of subject matter experts, if available.

   Yes.
   Sterling Lewis – ExxonMobil (Chair)
   David Zollo – TechnipFMC
   Joel Russo – TechnipFMC
   Al Coffey – Sigma Pipe & Tube
   Kristi Boaz Har – Oilfield Steel Supply
   Raul Vargas – DrilQuip
   Amy Hadley – Houston Heat Treat
   Bill Denby – Valley Forge & Bolt MFG Co
   And others who may volunteer

5. Are there special format requirements for final document, i.e. knowledge of ISO template required), significant graphics, photos or equations) required that would need extraordinary resources?
   Yes ☐ No ☐ X ☐

If Yes, please provide details:

6. Please provide any other information that is pertinent to the proposed action.

7. Is there research proposed to accomplish the proposed action?
   Yes ☐ No ☐ X ☐

If yes, complete Part B of this form.

II. Project Timing and Funding

1. Is there a need to commit resources to supplement the development of the draft? Would a paid content specialist accelerate progress on the development/revision? Is there a readily available content specialist?
   No

2. Is there research proposed to accomplish the proposed action?
   Yes ☐ No ☐ X ☐

If yes, complete Part B of this form.
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<table>
<thead>
<tr>
<th>Proposed start date:</th>
<th>Proposed date draft will be ready for letter ballot:</th>
<th>4/15/2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>TG/WG: (estimated number of volunteers needed)</td>
<td>Content Management: ($ amount &quot;if needed&quot; or volunteer)</td>
<td>volunteer</td>
</tr>
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</table>

PART B – Research Plan

I. Background and Information

1. Proposed Research Title:

2. Proposed Project Scope:

3. a. What is the business need for the proposed research?
   b. How does the research support the proposed action identified in Part A?
   c. What are the implications of not performing the proposed research?

4. Is the proposed research edition-specific for a single standard or will it result in technology enhancement for multiple standards?
   - Yes
   - No
   If multiple standards, please cite the standards effected:

5. Is a joint industry project (JIP) a possibility?
   - Yes
   - No
   If Yes, with who?

6. Are there opportunities for leveraged research with other organizations?
   - Yes
   - No
   What organizations?

II. Project Timing and Funding:

1. Proposed Research Amount:

2. Research Timing:
   - Research is necessary prior to scheduled revision.
   - Research can be done concurrent with revision.
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<table>
<thead>
<tr>
<th>Anticipated Research Funding Needs</th>
<th>Estimated Completion Date</th>
</tr>
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<tbody>
<tr>
<td>Year 1 $</td>
<td>Year 2: $</td>
</tr>
<tr>
<td></td>
<td>Year 3: $</td>
</tr>
<tr>
<td></td>
<td>Year 4: $</td>
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<tr>
<td></td>
<td>Previous Funding: $</td>
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**PART C – Proposal Feedback/Approval Information**

For Subcommittee Use, if applicable

| SC comments to Proposer/WG:       | No comments              |
| Date approved by subcommittee:    | 22JAN20                  |

For CSOEM Use

| Date submitted to CSOEM:          |                          |
| CSOEM comments:                   |                          |
| Date approved by CSOEM:           |                          |
| Date rejected by CSOEM (if applicable) |                          |

For API Use ONLY, if applicable

| Priority Matrix Ranking:          | Priority 1 (Rank 10-15)  |
|                                  | Priority 2 (Rank 7-9)     |
|                                  | Priority 3 (Rank ≤6)      |
| Date entered into API Publications DB: |                          |