API C2 / SC 17

SUBCOMMITTEE ON SUBSEA PRODUCTION SYSTEMS

API 17A RECOMMENDED PRACTICE

for

DESIGN AND OPERATION OF SUBSEA PRODUCTION SYSTEMS

JANUARY 2015
1. INTRODUCTION

API RP 17A, is currently being revised and updated. A joint Task Force (ISO and API) reviewed the document in 2012 and provided recommended changes in a Work Group Draft. The current SC 17A Task Force is reviewing the Work Group Draft and is preparing a final recommendation for presentation to the SC 17 Committee.

2. STATUS

The SC 17A Task Force has adopted a strategy for review based on the assumption that the proposed comments of the joint Task Force should be accepted unless a compelling reason for rejection is made.

The SC 17A Task Force is recommending the acceptance of almost all of the changes proposed by the joint API/ISO task force with the exception of the materials section which is currently being reviewed. To review the proposed materials section, a breakout group of volunteers with materials expertise was created based on the summer meeting discussion. The proposed materials section, by the API/ISO task force, represents extensive technical changes with numerous references to ISO documents. As an alternative, the breakout group is reviewing if the section could be greatly simplified if it referenced the Engineering Equipment & Materials User Association (EEMUA) Publication 194. This publication had been recently revised with input from materials experts globally and includes lessons learned from GoM.

In addition, the task force has reviewed the annexes associated with RP 17A and has raised the following issues:

- Annex A (Description of Subsea Production Systems) has been deleted from the document. This annex has been converted into a technical report and was sent out for ballot on December 3rd as **API 17TR13, General Overview of Subsea Production Systems, 1st Edition**. No new material was added to the annex wording except that applicable definitions and abbreviations were included. Votes are due on it before **January 28, 2015**.

- Annex B (Colors and Markings) has been updated to match to API RP 17-H. The changes being proposed are almost exclusively formatting changes to make the two documents look the same. Almost no content is being changed.

- Annex C (Verification, Validation and Qualification) will be reviewed for terminology consistency against other API 17 series documents.
• Annex D (Typical Procedure for Commissioning) will be deleted. The ISO/API Joint Task Force proposed draft addresses Wellhead Integrity specifically and therefore it will be proposed for API 17D inclusions.

• Annex E (Documentation) will be retained.

• Annex F (Datasheets) has been deleted since it has already been picked up in API 17D, Annex M.

• Annex G (Structures Process Valves and Piping) has been deleted since it has already been picked up in API 17P.

• Annex H (System Engineering in Subsea Field Developments) will be retained.

• Annex I (Flow Assurance Considerations) has been deleted from the document. This annex has been converted into a technical report and was sent out for ballot on December 3rd as API 17TR14, Flow Assurance Considerations in Subsea Production Systems, 1st Edition. No new material was added to the annex wording. Votes are due on it before January 28, 2015.

• Annex J (Barrier Philosophy Considerations) will be reviewed by the task force.

• Some of the items addressed in Annex K (Requirements and Recommendations for Lifting Devices) are being addressed in API 17D, but not all. The Task Force will review this document to ensure that it does not contradict with 17D and retain it.

**API Task Group**

The supporting API task group comprises:

**TABLE 1-1: API 17A TASK GROUP MEMBERS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
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<tbody>
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</tbody>
</table>
TABLE 1-2: API 17A MATERIALS SUBGROUP MEMBERS

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</tbody>
</table>

3. UPDATED TARGET DATES FOR DELIVERABLES

A specific target date for the revision of the entire document has not been established.

The task force is hopeful that a decision regarding how to proceed with the Materials Section can be reached before this year’s Summer Meeting.
4. **MAJOR ISSUES**

The high level of industry activity is putting a strain on resources, slowing work on the revision to 17A.

The Work Group Draft includes a complete rewrite of the Materials Section.

5. **ANTICAPTED NEW WORK ITEMS**

None.

6. **PLANS FOR FUTURE MEETINGS**

A task force meeting will be called for later in the first quarter to work the remaining issues as the materials section is worked in parallel by the materials sub group.

7. **RESOURCE NEEDS**

Resource requirements for this work have been identified and subject to the above comments regarding industry activity the Task Force is adequately staffed to complete its objectives.