Assigned Action from API SC17 meeting in January 2018

“review the existing SC17 suite of document for requirements for SS electrical actuators, transformers and motors. Make a recommendation if a new document should be proposed for SS electrical actuators, transformers and motors.”
BACKGROUND

- 3 phase power
- Low Voltage - < 1000 VAC
- Medium Voltage – 1000 VAC – 35K VAC
- High Voltage - > 35K VAC
• API 17 Suite does not currently address the following topics
  – Electric actuators (some requirement in 17D)
  – Subsea electric motors
  – Subsea transformers
  – Subsea electrical distribution
  – Subsea medium voltage connectors
  – Subsea variable speed drives
  – Subsea switchgear
BACKGROUND

- API 17Z First Edition
- SRRR was submitted and accepted for the 1st edition of API 17Z
SCOPE

• API 17Z scope
  – MV Penetrators & Connectors
  – subsea transformers
  – subsea motors
  – subsea electrical power transmission and distribution
  – static & dynamic subsea electrical power cables
  – subsea electric actuators
  – include installation, recovery, interfaces, integration into a system
SCOPE

API 17Z to cover topics listed above, using the following reference material:

• IEC/IEEE 61886.1 - MV Penetrators & Connectors
• IEC/IEEE 61886.2 – subsea transformers
• IEC/IEEE 61886.3 – subsea motors
• IEC/IEEE 61886.4 – subsea electrical power transmission and distribution
• IEC/IEEE 61886.5 – subsea cables
• Text from API 17X 1st ballot
CURRENT STATUS

- Taskgroup Chairman Assigned
- Taskgroup being formed
NEXT STEPS

• Form Taskgroup
• Hold initial meeting to discuss scope and number of documents
• Obtain documents from IEEE as a starting point
# TASKGROUP

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>E-mail</th>
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<tr>
<td>Richard Barratt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steve Lanier</td>
<td>EXXONMOBIL</td>
<td><a href="mailto:stephen.w.lanier@exxonmobil.com">stephen.w.lanier@exxonmobil.com</a></td>
</tr>
<tr>
<td>Ray Fleming</td>
<td>BP</td>
<td><a href="mailto:Ray.Fleming@bp.com">Ray.Fleming@bp.com</a></td>
</tr>
<tr>
<td>Lars Farestvedt</td>
<td>TechnipFMC</td>
<td><a href="mailto:lars.farestvedt@technipfmc.com">lars.farestvedt@technipfmc.com</a></td>
</tr>
<tr>
<td>André Mærli</td>
<td>Equinor</td>
<td><a href="mailto:andmar@equinor.com">andmar@equinor.com</a></td>
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## MILESTONES

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<td>Q2 2020</td>
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<tr>
<td>Agree on Scope and number of initial documents</td>
<td>Q2 2021</td>
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<tr>
<td>Issue 1st edition for ballot</td>
<td>TBA</td>
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