AGENDA

1.0 Call to Order
2.0 Welcome, Self-Introductions of those in Attendance
3.0 Review and Approval of Minutes from Fall 2017 Minutes
4.0 Membership List Update
5.0 TAC and ACI Updates from Committee Chair Breakfast – Ferraris and TAC Contact Goodwin
6.0 Committee Documents
   6.1 Technote “How-To Enhance Durability of Grout Elements in Marine Environments?” - Approved for development by TAC - Jon Belkowitz
   6.2 Report on Grouting Guide for MCP – Status (see table below)
   6.3 Other Tech Notes
7.0 Technical Sessions
   7.1 “Grouting for a Sustainable Future” – moderator Jon Belkowitz – Fall 2018 – Las Vegas, NV
   7.2 Materials Science Aspects Related to Digital Manufacturing (3D Printing) of Cementitious Materials - ACI Fall Convention 2018 - Las Vegas, NV
   7.3 Other session for future conventions
8.0 Additive manufacturing of grout – TG report
9.0 Presentations: “Technical Introduction to Low Density Cellular Concrete and Advanced Engineered Backfill Grout” by Milton Gomez, Aerix Industries
10.0 Old Business
11.0 New Business
12.0 Adjourn
<table>
<thead>
<tr>
<th>CHAPTER</th>
<th>OWNERS</th>
<th>Completion status</th>
<th>Status</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Constituent Materials</td>
<td>Khayat, DeLa Varga</td>
<td>Draft available</td>
<td>K.Khayat will send committee chairs and secretary the extended outline to review by June 13. After approval of the outline, then he and chapter members will work on the document.</td>
<td>6/15/2017</td>
</tr>
<tr>
<td>3. Fresh Properties</td>
<td>Sonebi, Khayat, Ferraris</td>
<td>in progress</td>
<td>Ballot Oct 2014 (2 neg and 1 comment) - Completelly revised chapter; Ballot 2017 - 2 neg and several comments</td>
<td>resolve negatives</td>
</tr>
<tr>
<td>4. Hardened Properties</td>
<td>???</td>
<td>Half Completed by DiStefano (not available); we do not have contact information for this person</td>
<td></td>
<td>???</td>
</tr>
<tr>
<td>5. Durability</td>
<td>Al-Manaseer, Valadez</td>
<td>In progress</td>
<td>Ballot failed May 2014 (3 neg and 3 comments); Revised and ballot March 2017 (8 neg, 5 comments) - A. Al-Manaseer will continue to work on it and then send it back for comments.</td>
<td>end of May 2017 for reballot</td>
</tr>
<tr>
<td>6. Mixture Proportioning</td>
<td>Yahia Ammar, Jon Belkowitz, B. Green, Kevin Foody</td>
<td>More than outline sent by Ammar - Aug22, 2017 Posted with Ferraris comments</td>
<td>(Ballot of outline failed 2011 (lack of participation) no negatives) - Chapter co-owners (A. Yahia, J. Belokowitz, B. Green and K. Foody) will review and update (if necessary) outline.</td>
<td>by end of april 2017</td>
</tr>
</tbody>
</table>

A. Performance requirements and Life Cycle Costs
B. Qualification of constituent materials
C. Design methodology
### 7. Production and Placement
- **A. Mixing**
- **B. Pumping**
- **C. Dispersion**
- **D. Batching Sequence**
- **E. Certification and Insitu Verification:** did the material do what it is supposed to do.

<table>
<thead>
<tr>
<th>nothing available</th>
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<tbody>
<tr>
<td>?? Extended abstract of Jim Warner book</td>
</tr>
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</table>

- **C. Ferraris** will send out an email to the committee that we need a chapter leader. She will also encourage committee members contribute to this chapter. 

- **M. Gomez** will reach out to people at the grouting conference at UT Austin in May (see New Business for more details on conference) to see if he can find a leader.

### 8. Case Studies
- add a short summary
  - **A. Geotechnical**
  - **B. Tendon**
  - **C. Masonry**

<table>
<thead>
<tr>
<th>Igor De La Varga - Coordinator; Al-Manasser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special form posted - &quot;Case studies layout&quot;</td>
</tr>
</tbody>
</table>

- **2 case studies received** - More needed?

- Pedro Medes will submit a case study.
- Trey Hamilton mentioned that he is working on post-tensioning grout. Pedro Mendes will reach out to see if he can find someone to submit a case study. It was mentioned that we should see if we can get a case study from someone working on 3D printing.

- **Call for Case study was sent out by Igor on 11/4/2016 with several reminders after**

### 9. Material Performance
<table>
<thead>
<tr>
<th>Need volunteer</th>
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<tbody>
<tr>
<td>Nothing done</td>
</tr>
</tbody>
</table>

### 10. Sustainability/Lifecycle
- **Ferraris**
- Completed

- Ballot failed 2014; 2 neg and 3 comments

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<thead>
<tr>
<th>No-longer required by ACI - DELETED</th>
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</thead>
</table>
### 7. Production and Placement

- A. Mixing: Nothing available
- B. Pumping: Nothing available
- C. Dispersion: Nothing available
- D. Batching Sequence: Nothing available
- E. Certification and Insitu Verification: did the material do what it is supposed to do.

<table>
<thead>
<tr>
<th>8. Case Studies</th>
<th>Igor De La Varga - Coordinator</th>
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<th>6 case studies available - More needed?</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Geotechnical</td>
<td>Al-Manasser, Valadez</td>
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<td>B. Tendon</td>
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<td>C. Masonry</td>
<td></td>
<td></td>
<td></td>
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</table>

### 9. Material Performance

- Appropriateness of the Mixture used: Need volunteer
- Nothing done

### 10. Sustainability/Lifecycle

- Need volunteer
- Completed
- Ballot failed 2014; 2 neg and 3 comments
- Authors will review and resolve comments